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MAR 14 1969

CURRENT SERIAL RECORDS

# ***WATER SUPPLY OUTLOOK FOR UTAH***

and

FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

UNITED STATES DEPARTMENT of AGRICULTURE--SOIL CONSERVATION SERVICE,

and

UTAH STATE DEPARTMENT OF NATURAL RESOURCES -- DIVISION OF WATER RIGHTS

In cooperation with U.S. Forest Service, Bureau of Reclamation,  
Utah Fish and Game Dept., Utah State University, U.S. National  
Park Service, U.S. Geological Survey; and other Federal, State,  
and private organizations.

AS OF  
**MAR. 1, 1969**

## TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1400 snow courses in Western United States and in the Columbia Basin in British Columbia. In the near future, it is anticipated that automatic snow water equivalent sensing devices along with radio telemetry will provide a continuous record of snow water equivalent at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

## PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, Western Regional Technical Service Center, Room 209, 701 N. W. Glisan, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	P. O. Box "F", Palmer, Alaska 99645
Arizona	6029 Federal Building, Phoenix, Arizona 85205
Colorado (N. Mex.)	12417 Federal Building, Denver, Colorado 80521
Idaho	P. O. Box 38, Boise, Idaho 83707
Montana	P. O. Box 98, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno Nevada 89505
Oregon	1218 S. W. Washington St., Portland, Oregon 97205
Utah	4012 Federal Building, Salt Lake City, Utah 84111
Washington	360 U.S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 340, Casper, Wyoming 82602

## PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Water Supply Forecast and Snow Surveys Unit, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 --- and for British Columbia by the Department of Lands, Forests and Water Resources, Water Resources Service, Parliament Building, Victoria, British Columbia



# **WATER SUPPLY OUTLOOK FOR UTAH**

and  
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

*Issued by*

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UTAH STATE DEPT. OF NATURAL RESOURCES

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SOIL CONSERVATION SERVICE  
SNOW SURVEY SECTION  
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# PROSPECTIVE WATER SUPPLIES

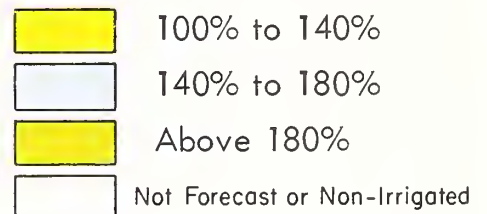
Based on Snow Surveys Made on  
UTAH and BEAR RIVER WATERSHEDS

March 1, 1969

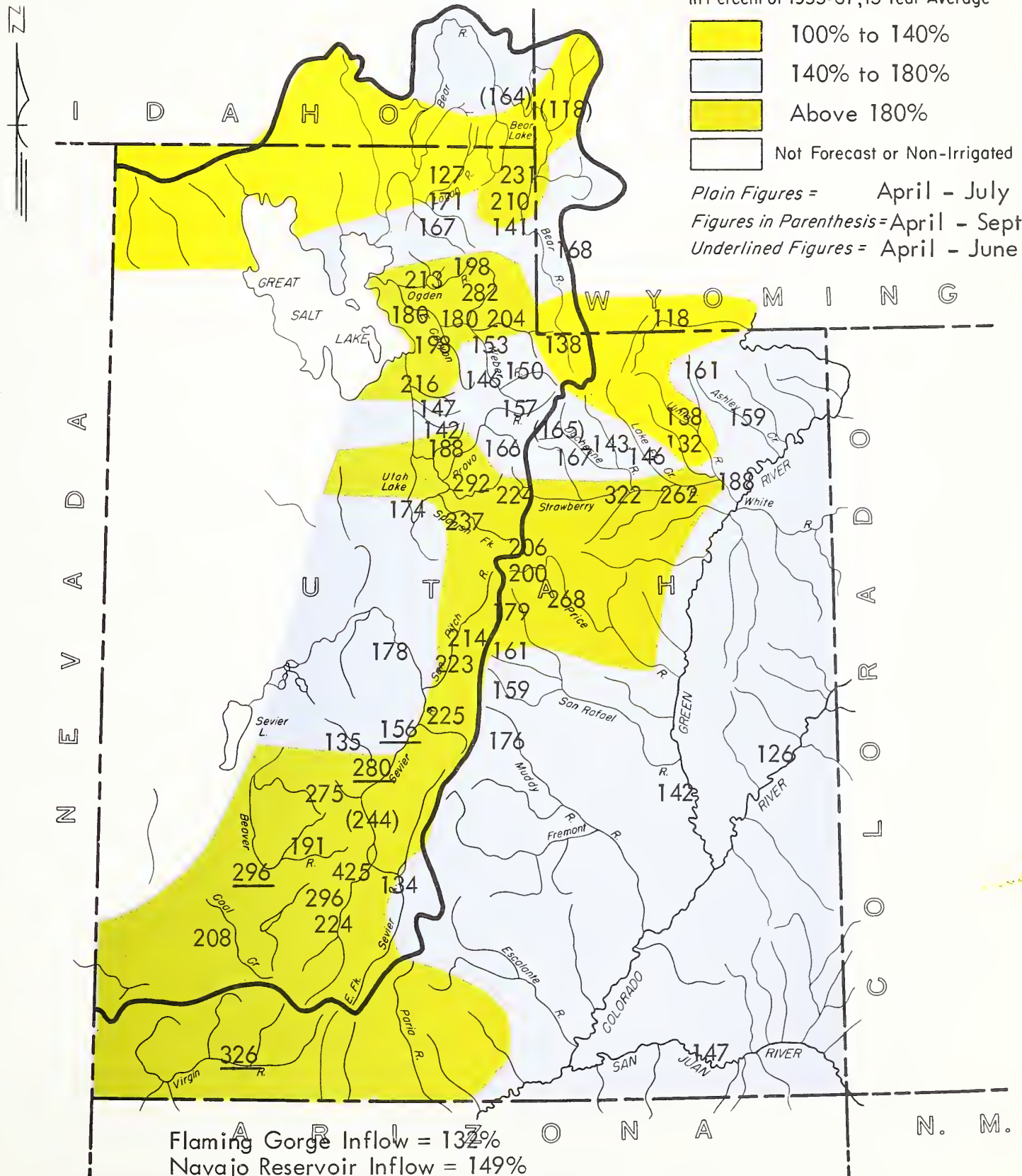
Approximate Date



FORECAST STREAM FLOW  
in Percent of 1953-67, 15 Year Average



Plain Figures = April - July  
Figures in Parenthesis = April - Sept.  
Underlined Figures = April - June



Flaming Gorge Inflow = 132%  
Navajo Reservoir Inflow = 149%  
Lake Powell Inflow = 139%





# WATER SUPPLY OUTLOOK

## WATER SUPPLY OUTLOOK

MARCH 5, 1969

\*\*\*\*\*  
\* Utah's 1969 water supply outlook continues to improve and is \*  
\* now good to excellent in most areas of the State. Snow water \*  
\* accumulation was again above average during March and now \*  
\* ranges from 118% on the Logan River to better than 300% in \*  
\* southwestern Utah. Streamflow forecasts for the April-July \*  
\* period have raised and now range from about 120% to three and \*  
\* four times the average flows on some streams of southwestern \*  
\* Utah. \*  
\*\*\*\*\*

### SNOW COVER

Many March 1 snow course measurements in Utah exceed or are close to water content amounts observed in the high year of 1952.

Snow cover in northern Utah varies from 118% on the Logan River to 171% of the 1953-67 average for March 1. Ben Lomond Peak and Dry Bread Pond, snow courses on the ridge between the Little Bear and Ogden Rivers, had water content measurements which exceed those measured on March 1, 1952. The upper Weber watershed did not increase as much as the Ogden but is now 134 to 166 % of average. East Canyon Creek snow cover is 159% of average. The creeks along the Wasatch front near Salt Lake range from 155% on Farmington Creek to 164% on Big Cottonwood Creek.

Snow cover on watersheds draining into Utah Lake varied from 164% on the Spanish Fork to 211% on the American Fork River.

Uinta Basin snow courses are now 170% to 208% of average on the Duchesne and Whiterocks-Uintah Rivers respectively. High elevation aerial snow depth markers in the Uintahs were flown cooperatively by the State Fish and Game Department this month and snow depths ranged from 39 inches at Henry's Fork to 72 inches at Windy Park near Oak Park Reservoir.

Strawberry Valley above the reservoir is 207% of the March 1 average. Central Utah snow cover ranges from 134% on Chalk Creek near Fillmore to 188% on the Price River.

Southeastern Utah measurements show 134% on the LaSal Mountains to 164% on the Blue Mountains near Monticello. These measurements were made prior to the last few days of the month and do not include at least one storm the last week of the month.

Southwestern Utah watersheds have a near record snow cover. Some areas which normally measure small amounts of snow have almost 6 times the average water contents. The upper Virgin and Sevier River watersheds have better than 3 times average amounts of snow water contents with

## WATER SUPPLY OUTLOOK (continued)

some measurements exceeding amounts measured in 1952.

### RESERVOIR STORAGE

Storage in 14 of Utah's principal reservoirs excluding the Colorado River Project is now 139% of the March 1 average and 107% of last year at this time.

Bear Lake had 1,066,000 acre feet (122%), Hyrum Reservoir had 10,700 acre feet (97%) and Porcupine had 4500 acre feet in storage on March 1. Pineview had 48,000 acre feet (178%), East Canyon 32,000 acre feet, Echo 50,000 acre feet and Rockport 48,000 acre feet.

The three main Sevier River reservoirs, Otter Creek, Piute and Sevier Bridge, now hold a total of 235,000 acre feet (169%).

Strawberry reservoir now holds 154,000 acre feet (128%) and Moon Lake 25,200 acre feet or just average for March 1. Scofield has 46,700 acre feet (218%) in storage and Joe's Valley 28,100 acre feet. Utah Lake has 847,000 acre feet or about .4 foot below compromise.

### STREAMFLOW

Above average increases to the snow pack in most areas of the state during February have resulted in higher streamflow forecasts for the run-off season. Many forecasts are now above flows observed in 1965 and some are almost as high as those experienced in the high year of 1952. Some percent of average figures appear very high due to a new lower 15-year average being used for comparison this year. In comparing this years forecast with previous years flows the volumes forecast this year are not out of line in view of the high snow water content now on the watersheds.

Streamflow forecasts in the Bear River now range from 127% of average on the Logan River to 231% on the Bear at Randolph. Blacksmith Fork and Little Bear are forecast to flow 72,000 (171%) and 70,000 (167%) respectively for the April-July period.

On the Weber-Ogden Rivers forecasts range from 146% for Rockport reservoir Inflow to 282% (35,000 acre feet) for Lost Creek where the snow pack is close to that of 1952. The 1952 flow for Lost Creek was 42,000 acre feet. Pineview Reservoir inflow is forecast to be 200,000 acre feet during April-July or 24,000 acre feet less than 1952 flows. The Weber near Oakley is expected to flow 162,000 acre feet (150%).

Creeks along the Wasatch front are forecasted to flow 142 to 216% of average with Parleys Creek being the higher percentage.

Provo River and Utah Lake tributary forecasts range from 151% on the Provo at Hailstone to 292% for Hobble Creek. Utah Lake inflow is expected to be 340,000 acre feet (174%) during the April-July period.

## WATER SUPPLY OUTLOOK (continued)

Uintah Basin streamflow forecasts vary from 132% on the Yellowstone to 322% on the Strawberry at Duchesne. Lakefork is forecast to flow 92,000 acre feet at the gage below Moon Lake.

The inflow to Scofield Reservoir is expected to be about 76,000 acre feet (206%) during April-July and the Price River is expected to flow 145,000 acre feet (268%).

Forecasts for Cottonwood near Orangeville, Ferron Creek, Huntington Creek and Muddy Creeks range between 159% and 179% of average for the April-July period.

Sevier River forecasts range from 15 to 34% above average on Antimony Creek and East Fork Sevier to better than four times average for Sevier near Kingston. The October 1 - March 31 flow right of 89,280 acre feet into Sevier Bridge was reported to have already been exceeded by 5,000 acre feet and the San Pitch river has produced about 16,000 acre feet and is still running into the Sevier.

The Virgin River is forecast to flow 124,000 acre feet or just a little less than the 128,000 it produced in 1952.

Colorado River forecasts now vary from 126% at Cisco to 149% for Navajo Reservoir Inflow.

In summary, if precipitation continues normal or above, Utah will have an excellent water supply and some areas may expect periods of higher than average peak flows.



# RESERVOIR STORAGE ( 1,000 Ac. Ft. )

RESERVOIR STORAGE (1,000 AC-FT.)		USABLE CAPACITY	MEASURED (FIRST OF MONTH)		
BASIN or STREAM	RESERVOIR		THIS YEAR	LAST YEAR	AVERAGE <sup>a</sup>
GREAT BASIN					
<u>Bear River</u>	Bear Lake	1421.0	1066.0	1092.4	871.4
	Woodruff Narrows	26.5	28.0	26.0	- -
<u>Beaver River</u>	Minersville(Rocky Ford)	23.3	21.6	16.8	10.6
<u>Little Bear</u>	Hyrum	15.3	10.7	10.7	11.0
	Porcupine	11.3	4.5	3.8	- -
<u>Ogden</u>	Causey	7.1	4.1	4.4	- -
	Pineview	110.1	47.6	53.9	26.9
<u>Provo</u>	Deer Creek	149.7	99.0	112.3	89.3
<u>Sevier River</u>	Gunnison	18.2	17.7	17.6	- -
	Otter Creek	52.5	46.8	30.5	23.0
	Piute	71.8	59.1	55.2	35.4
	Sevier Bridge	236.0	128.8	83.0	80.7
<u>Spanish Fork</u>	Strawberry	270.0	154.0	127.6	120.0
<u>Utah Lake</u>	Utah Lake	883.9c	847.0	746.2	558.4
<u>Weber</u>	East Canyon	48.1	32.5	37.6	11.2
	Echo	73.9	50.5	35.4	35.7
	Lost Creek	20.0	11.2	9.9	- -
	Rockport	60.9	48.4	44.6	23.8
	Willard Bay	193.3	124.2	117.5	- -
COLORADO RIVER DRAINAGE					
<u>Ashley Creek</u>	Steinaker	33.3	24.8	27.3	- -
<u>Colorado</u>	Blue Mesa	829.5	422.3	353.8	- -
	Lake Powell	25002.0	7337.0	8201.0	5138.0
<u>Green</u>	Flaming Gorge	3749.0	1669.1	2077.9	1248.0
<u>Lake Fork</u>	Moon Lake	35.8	25.2	23.0	15.7
<u>Price River</u>	Scofield	65.8	46.7	46.7	21.5
<u>San Rafael</u>	Joes Valley	54.6	28.1	17.8	- -
<u>San Juan</u>	Navajo	1696.4	707.3	588.0	- -



# UTAH STREAMFLOW FORECASTS<sup>a</sup> ( 1,000 Ac. Ft. )

FORECAST POINT	FORECAST THIS YEAR	THIS YEAR AS PERCENT OF AVERAGE	FORECAST PERIOD	LAST YEAR	AVERAGE <sup>a</sup>
<u>BEAR RIVER SYSTEM</u>					
Bear at Harer, Idaho	371	164	Apr-Sept	202	226
Bear nr Randolph	166	231	Apr-July	125	72
Bear nr Ut-Wyo State Line	146	138	Apr-July	135	106
Bear nr Woodruff	175	168	Apr-July	154	104
Big Crk nr Randolph, Utah	10.1	210	Apr-July	2.8	4.8
Blacksmith Fork nr Hyrum	72	171	Apr-July	38	42
Little Bear nr Paradise	70	167	Apr-June	32	42
Logan nr Logan (1)	126	127	Apr-July	99	99
Smith's Fork nr Border, Wyoming	127	113	Apr-Sept	76	108
Woodruff Crk nr Woodruff, Utah	19.1	141	Apr-July	12	13.5
<u>WEBER-OGDEN RIVERS</u>					
Chalk Crk at Coalville	57	204	Apr-July	46	28
East Canyon Crk nr Morgan(2)	36	198	Apr-July	25	18.2
Hardscrabble Crk nr Porterville	25	180	Apr-July	18.2	13.9
Lost Crk nr Croydon, Utah	35	282	Apr-July	11.4	12.4
Pineview Reservoir Inflow(3)	200	213	Apr-July	94	94
South Fork Ogden nr Huntsville	95	198	Apr-July	48	48
Rockport Reservoir Inflow(4)	165	146	Apr-July	153	113
Weber nr Coalville(5)	168	153	Apr-July	- -	110
Weber nr Oakley	162	150	Apr-July	136	108
<u>PROVO RIVER &amp; UTAH LAKE</u>					
American Fork nr American Fork	49	188	Apr-July	33	26
Hobble Crk nr Springville	42	292	Apr-July	19.9	14.2
Provo nr Hailstone(6)	142	151	Apr-July	116	94
Provo below Deer Crk Dam(7)	179	166	Apr-July	133	108
Spanish Fork at Thistle	64	237	Apr-July	46	27
Strawberry Reservoir Inflow(8)	92	224	Apr-July	60	41
Utah Lake Inflow	340	174	Apr-July	- -	195
<u>JORDAN RIVER &amp; SALT LAKE</u>					
Big Cottonwood nr SLC	50	147	Apr-July	38	34
Farmington Crk nr Farmington	12.2	130	Apr-July	8.5	6.8
Little Cottonwood Crk nr SLC	47	142	Apr-July	39	33
Parley's Crk nr SLC	19	216	Apr-July	14.2	8.8

FOOTNOTES - See last page

# UTAH STREAMFLOW FORECASTS<sup>a</sup> ( 1,000 Ac. Ft. )

FORECAST POINT	FORECAST THIS YEAR	THIS YEAR AS PERCENT OF AVERAGE	FORECAST PERIOD	LAST YEAR	AVERAGE <sup>a</sup>
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## SEVIER RIVER

Chalk Creek nr Fillmore	19.1	135	Apr-July	- -	14.1b
Clear Crk nr Sevier(abv. Div.)	22	275	Apr-July	- -	8.0b
East Fork Sevier nr Kingston(9)	16.5	134	Apr-July	- -	12.3
Antimony Crk nr Antimony	9.0	115	Apr-July	- -	7.8b
Inflow					
Kingston to Vermillion Dam	84	280	Apr-June	- -	30 b
Vermillion Dam to Gunnison	70	156	Mar-June	- -	45 b
Salina Crk at Salina(10)	13.3	225	Apr-June	15.4	5.9*
Sevier nr Circleville	80	296	Apr-July	- -	27
Sevier nr Gunnison	57	178	Apr-July	- -	32 b
Sevier at Hatch	74	224	Apr-July	56	33
Sevier nr Kingston	65	425	Apr-July	- -	15.3
Sevier below Piute Dam(11)	78	244	Apr-Sept	- -	32

## SAN PITCH RIVER

Ephraim Creek nr Ephraim	31	223	Apr-July	- -	13.9b
Pleasant Crk nr Mt. Pleasant	16.7	214	Apr-July	11.5	7.8b
Twin Crk nr Mt. Pleasant	7.8	- -	Apr-Sept	- -	- -

## BEAVER RIVER

Beaver nr Beaver	31	191	Apr-July	- -	16.2
Rockyford Reservoir Inflow(12)	14.5	296	Apr-June	- -	4.9

## COAL CREEK

Coal Crk nr Cedar City	27	208	Apr-July	- -	13.5
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## COLORADO RIVER BASIN

### GREEN RIVER TRIBUTARIES IN UTAH

### FLAMING GORGE TO DUCHESNE RIVER

Ashley Creek nr Vernal	70	159	Apr-July	60	44
Henry's Fork at Linwood	45	118	Apr-Sept	---	38

FOOTNOTES - See last page

# UTAH STREAMFLOW FORECASTS <sup>a</sup> ( 1,000 Ac. Ft. )

FORECAST POINT	FORECAST THIS YEAR	THIS YEAR AS PERCENT OF AVERAGE	FORECAST PERIOD	LAST YEAR	AVERAGE <sup>a</sup>
<u>DUCHESNE RIVER</u>					
Duchesne nr Hanna	86	165	Apr-Sept	39	52 <sup>b</sup>
Duchesne nr Tabiona(13)	155	167	Apr-July	116	93
Lakefork below Moon Lake(14)	92	146	Apr-July	81	63
Rock Crk nr Mtn. Home	126	143	Apr-July	109	88
Strawberry at Duchesne	158	322	Apr-July	- -	49
Uinta nr Neola	109	138	Apr-July	112	79
Whiterocks nr Whiterocks	82	161	Apr-July	75	51
Yellowstone nr Altonah	78	132	Apr-July	82	59
Duchesne at Myton	385	262	Apr-July	240	147
Duchesne at Randlett	492	188	Apr-July	350	262
<u>PRICE RIVER</u>					
Gooseberry Crk nr Scofield	20	200	Apr-July	11.7	10.0
Price nr Heiner(15)	145	268	Apr-July	89	54
Scofield Reservoir Inflow(15)	76	206	Apr-July	45	32
<u>SAN RAFAEL RIVER</u>					
Cottonwood Crk nr Orangeville	71	161	Apr-July	- -	44
Ferron Crk nr Ferron	54	159	Apr-July	39	34
Huntington Crk nr Huntington	75	179	Apr-July	63	42
<u>MUDDY RIVER</u>					
Muddy Creek nr Emery	30	176	Apr-July	- -	17.0 <sup>b</sup>
<u>VIRGIN RIVER</u>					
Virgin nr Virgin	124	326	Apr-June	51	38
<u>UPPER COLORADO BASIN</u>					
Colorado nr Cisco, Utah (15)	3530	126	Apr-July	3653	2802
Flaming Gorge Inflow (3)	1390	132	Apr-July	1061	1054
Lake Powell Inflow (3)	9060	139	Apr-July	7247	6527
Green at Green River, Utah (15)	3660	142	Apr-July	1796	2574
San Juan nr Bluff, Utah (15)	1305	147	Apr-July	923	890
Navajo Reservoir Inflow	920	149	Apr-July	591	619

FOOTNOTES - See last page

**PEAK FLOWS (Maximum Mean Daily)** (Av. flow for 24 hrs. on day of greatest flow)

FORECAST POINT	PEAK FLOW (second feet)	
	FORECAST RANGE	15-YR. AVERAGE 1953-67

Beaver River near Beaver	350 - 500	215
Clear Creek near Sevier	235 - 285	156b
Salina Creek near Salina	250 - 300	133*
Sevier at Hatch	630 - 840	369

## LOW FLOW FORECASTS

FORECAST POINT	DATE STREAMFLOW RECEDES TO LOW FLOW VALUE*	LOW FLOW VALUE	AVERAGE DATE OF LOW FLOW VALUE
Clear Creek nr Sevier(above div.)	Aug. 7	15	July 28
Salina Creek at Salina	June 14	25	June 10
Sevier at Circleville (Circle Valley)	July 20	90	June 24
Sevier at Hatch(upper Panguitch Valley)	Aug. 15	100	July 10

## PRIMARY WATER RIGHTS (Percent of)

RIVER SECTION	FORECAST THIS YEAR	AVERAGE DELIVERED DURING 15 YEARS 1953-67	FORECAST PERIOD
<u>Sevier River</u>			
Below Vermillion Dam	70	58	Apr-Sept
Circle Valley	90	66	Apr-Sept
Panguitch Valley	100	84	Apr-Sept
Sevier Valley	65	40	Apr-Sept

## OTHER SPECIAL FORECASTS

Kingston to Vermillion - Flow above 400 second feet - about 6000 - 8000 acre feet

Below Vermillion - Flow above 360 second feet - 3000 - 4000 acre feet not  
including flow added from the San Pitch River.

Inflow to Sevier Bridge reservoir from October 1 to March 31 has already  
exceeded the 89,280 acre foot right by about 5,000 acre feet and an  
additional 20,000 to 25,000 acre feet is expected if flows continue at the  
present rate.

*\*Following this date, streamflow is expected to fall below "Low Flow Value" shown.*



# COMPARISON of SNOW COVER

RIVER BASIN or TRIBUTARY WATERSHED	NO. of COURSES AVERAGED	THIS YEARS SNOW WATER EXPRESSED AS PERCENT OF :	
		LAST YEAR	AVERAGE $\bar{a}$

## GREAT BASIN

Smith's Fork - Bear River (Wyo)	5	162	133
Strawberry-Mink Creeks (Ida)	3	123	132
Cub River (Ida)	1	127	123
Logan River	5	130	118
Blacksmith Fork-Little Bear	5	184	165
Malad River (Idaho)	2	178	153
Ogden River	5	185	171
Weber River above Echo Dam	8	158	166
Chalk Creek - Coalville	3	136	134
East Canyon Creek	3	150	159
Farmington Creek	2	153	155
Salt Lake Area	4	150	159
Tooele Area	1	182	184
American Fork River	3	193	211
Provo River above Deer Creek Dam	6	164	175
Strawberry Reservoir Valley	3	179	207
Spanish Fork River	5	157	164
Hobble Creek	2	161	184
Mt. Nebo Area	2	147	150
Sevier River above Panguitch	6	182	275
East Fork Sevier River	5	117	185
Clear Creek above Sevier	1	138	158
Salina Creek	2	122	129
Mt. Pleasant Area	2	168	150
Ephraim Creek	2	152	150
Mayfield Area	2	138	138
Chicken Creek - Levan	1	129	142
Chalk Creek - Fillmore	2	112	134
Beaver River	3	154	174
Parowan Creek	3	135	172
Coal Creek - Cedar City	2	200	238
Enterprise Reservoir	1	278	591
New Harmony - Pinto Drainages	1	149	256

## COLORADO RIVER BASIN

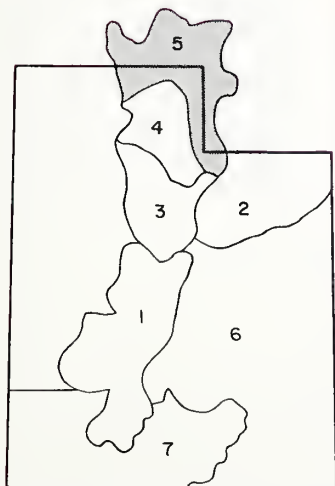
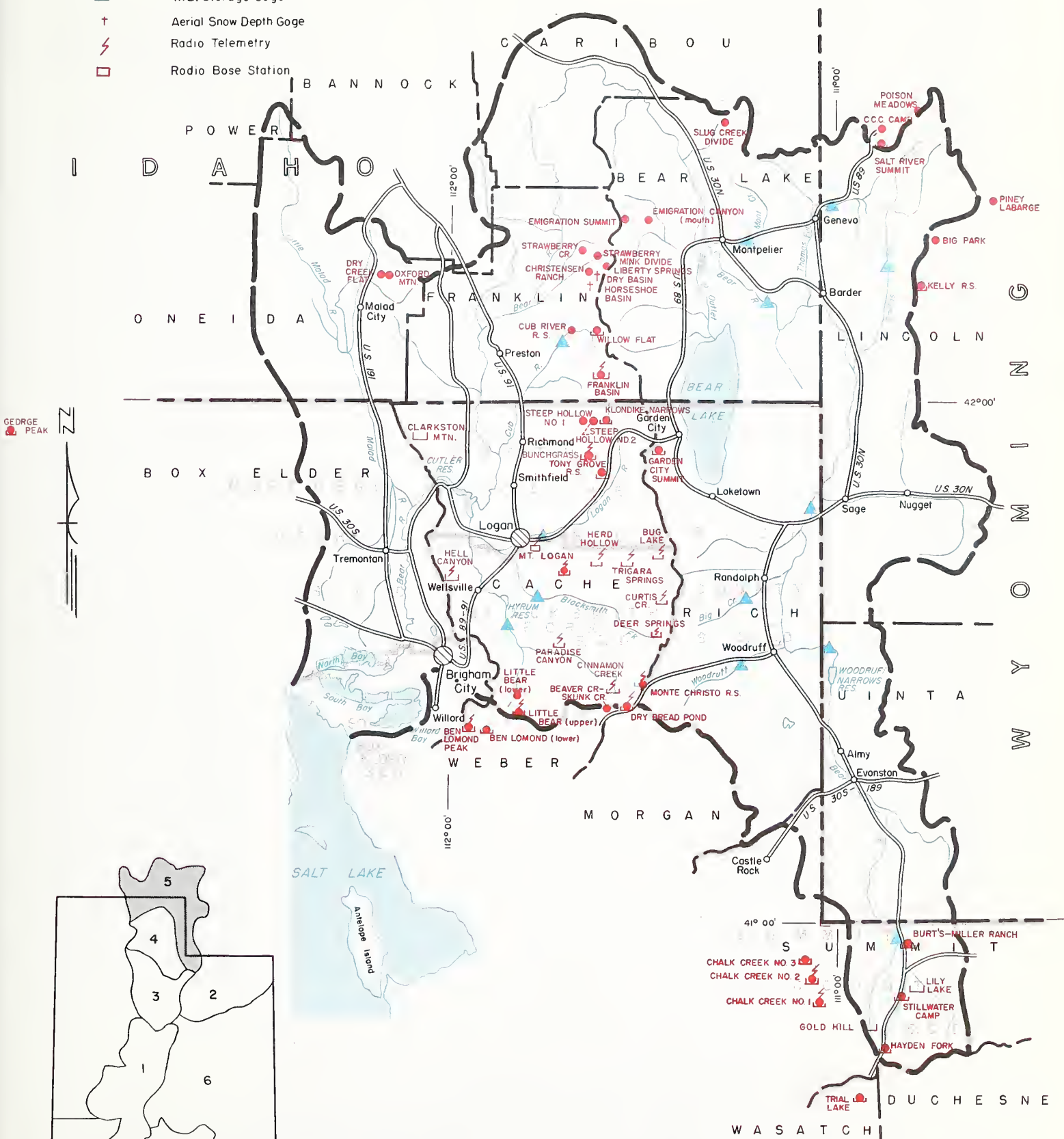
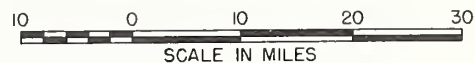
Duchesne River above Tabiona	4	156	170
Strawberry River	4	162	197
Snakefork River	2	180	202
Whiterocks-Uintah Rivers	3	211	208
Ashley Creek	4	178	186
Price River	6	162	188
San Rafael Tributaries	7	154	172
Fremont River	4	116	173
Escalante River	3	108	172
Virgin River	2	200	343
LaSal Mtns. nr Moab	2	90	134
Blue Mtns. nr Monticello	2	99	164



# LEGEND

- Watershed Boundary
- Soil Conservation District Bdry
- County Boundary
- ▲ Forecast Point
- Snow Course
- ⌋ S.C.S. Storage Gage
- ⌋ W.B. Storage Gage
- † Aerial Snow Depth Gage
- ⚡ Radio Telemetry
- Radio Base Station

# BEAR RIVER BASIN



WATERSHED LOCATION

# INDEX

NO.	STATE	NAME	SE C.	TWP.	RGE.	ELEV.
UPPER BEAR RIVER (above Harer, Idaho)						
10G11	W	Big Park	7	27N	117W	8,700
10J6	U	Burts-Miller Ranch	19	3N	10E	7,900
10G7	W	CCC Camp x	9	29N	118W	7,500
10J36p	U	Gold Hill	11	1N	9E	10,000
10J7	U	Hayden Fork	1	1S	9E	9,300
10G12	W	Kelly Ranger Station	13	26N	118W	8,200
10J35p	U	Lily Lake	34	2N	10E	9,300
11H12P	U	Monte Cristo R.S.	4	8N	4E	8,960
10G10	W	Piney LaBarge x	19	29N	114W	8,820
10G6	W	Poison Meadows x	29	30N	116W	8,500
10G8P	W	Salt River Summit x	32	29N	118W	7,900
10J17P	U	Stillwater Camp	32	2N	10E	8,550

## LOWER BEAR RIVER (below Harer, Idaho)

11H14M	U	Beaver Creek-Skunk Creek	22	8N	3E	7,150
11H37p	U	Bug Lake	18	11N	5E	7,950
11H36p	U	Bunchgrass	5	13N	3E	8,400
11G11	I	Christensen Ranch	27	13S	41E	5,600
11H38p	U	Cinnamon Creek	5	8N	3E	7,300
12H1p	U	Clarkston Mtn.	29	14N	2W	6,300
11G12	I	Cub River Ranger Station	5	15S	41E	5,400
11H39p	U	Deer Springs	34	10N	4E	8,400
11G14a	I	Dry Basin	30	13S	42E	7,900
11H13MP	U	Dry Bread Pond	19	8N	4E	8,230
12G4	I	Dry Creek Flat	31	13S	37E	6,350
11G6	I	Emigrant Summit	21	12S	42E	7,350
11G7	I	Emigration Canyon (mouth)	24	12S	42E	6,500
11G8M	I	Franklin Basin	1	16S	41E	8,000
11H7MP	U	Garden City Summit	35	14N	4E	7,600
12H2p	U	Hell Canyon	24	11N	2W	6,400
11H40p	U	Herd Hollow	4	11N	3E	7,000
11G15a	I	Horseshoe Basin	31	13S	42E	8,000
11H1MP	U	Klondike Narrows	10	14N	3E	7,400
11G13	I	Liberty Springs	7	13S	42E	8,420
11H26	U	Little Bear (lower)	15	8N	1E	5,800
11H25P	U	Little Bear (upper)	22	8N	1E	6,550
11H12P	U	Monte Cristo R.S.	3	8N	4E	8,960
11H6	U	Mt. Logan	3	11N	2E	9,000
12G3	I	Oxford Mountain	32	13S	37E	6,800
11H46p	U	Paradise Canyon	36	10N	2E	7,650
11G5	I	Slug Creek Divide	15	10S	44E	7,225
11H4	U	Spring Hollow (lower)	26	12N	2E	7,000
11H5	U	Spring Hollow (upper)	35	12N	2E	8,000
11H27	U	Steep Hollow #1	7	14N	3E	8,500
11H28	U	Steep Hollow #2	9	14N	3E	7,700
11G9	I	Strawberry Creek	9	13S	41E	5,800
11G10	I	Strawberry Mink Divide	14	13S	41E	6,800
11H3M	U	Tony Grove Ranger Station	11	13N	3E	6,250
11H41p	U	Trigara Springs	29	12N	4E	7,600
11G4P	I	Willow Flat	2	15S	41E	6,100

## LEGEND

### Numbering system (example)

10J7	SNOW COURSE ONLY
10J7P	SNOW COURSE AND PRECIPITATION GAGE
10J7M	SNOW COURSE AND SOIL MOISTURE STATION
10J7A	SNOW COURSE AND AERIAL MARKER
10J7MA	SNOW COURSE, SOIL MOISTURE STATION AND AERIAL MARKER
10J7MP	SNOW COURSE, SOIL MOISTURE STATION AND PRECIPITATION GAGE
10J7m	SOIL MOISTURE STATION ONLY
10J7a	AERIAL MARKER ONLY
10J7p	STORAGE PRECIPITATION GAGE ONLY
x	ADJACENT DRAINAGE



# SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
			DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	NO.	ELEVATION				LAST YEAR	AVERAGE <sup>a</sup>

## BEAR RIVER BASIN

### UPPER BEAR RIVER (Above Harer, Idaho)

Big Park x	10G11	3700	2/25	78	23.3	13.9	16.8
CCC Camp x	10G7	7500	2/28	48	13.5	8.4	10.2
Chalk Creek #1 x	11J1	9100	2/25	86	23.6	16.0	17.7*
Chalk Creek #2 x	11J2	8000	2/25	53	15.3	11.4	11.1
Chalk Creek #3 x	11J3	7500	2/25	32	8.4	6.6	6.1
Kelly Ranger Station	10G12	8200	2/25	66	19.5	11.9	15.2*
Monte Cristo R. S.	11H12	8960	2/27	92	30.0	17.6	20.2*
Piney-LaBarge #2	10G10	8820	2/26	76	23.8	16.4	- -
Poison Meadows x	10G6	8500	2/26	92	25.8	22.1	24.4*
Salt River Summit x	10G8	7900	2/27	60	17.8	10.4	13.3
Smith & Morehouse x	11J4	7600	2/26	63	18.0	11.3	10.1
Trial Lake x	10J8	9800	2/28	95	29.8	20.5	20.7

### LOWER BEAR RIVER (Below Harer, Idaho)

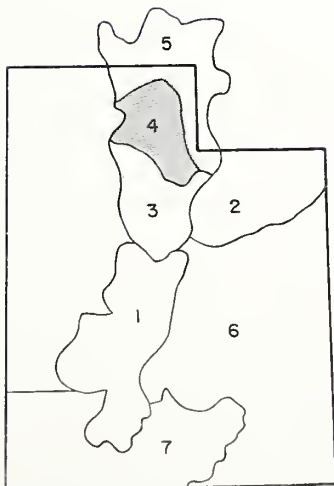
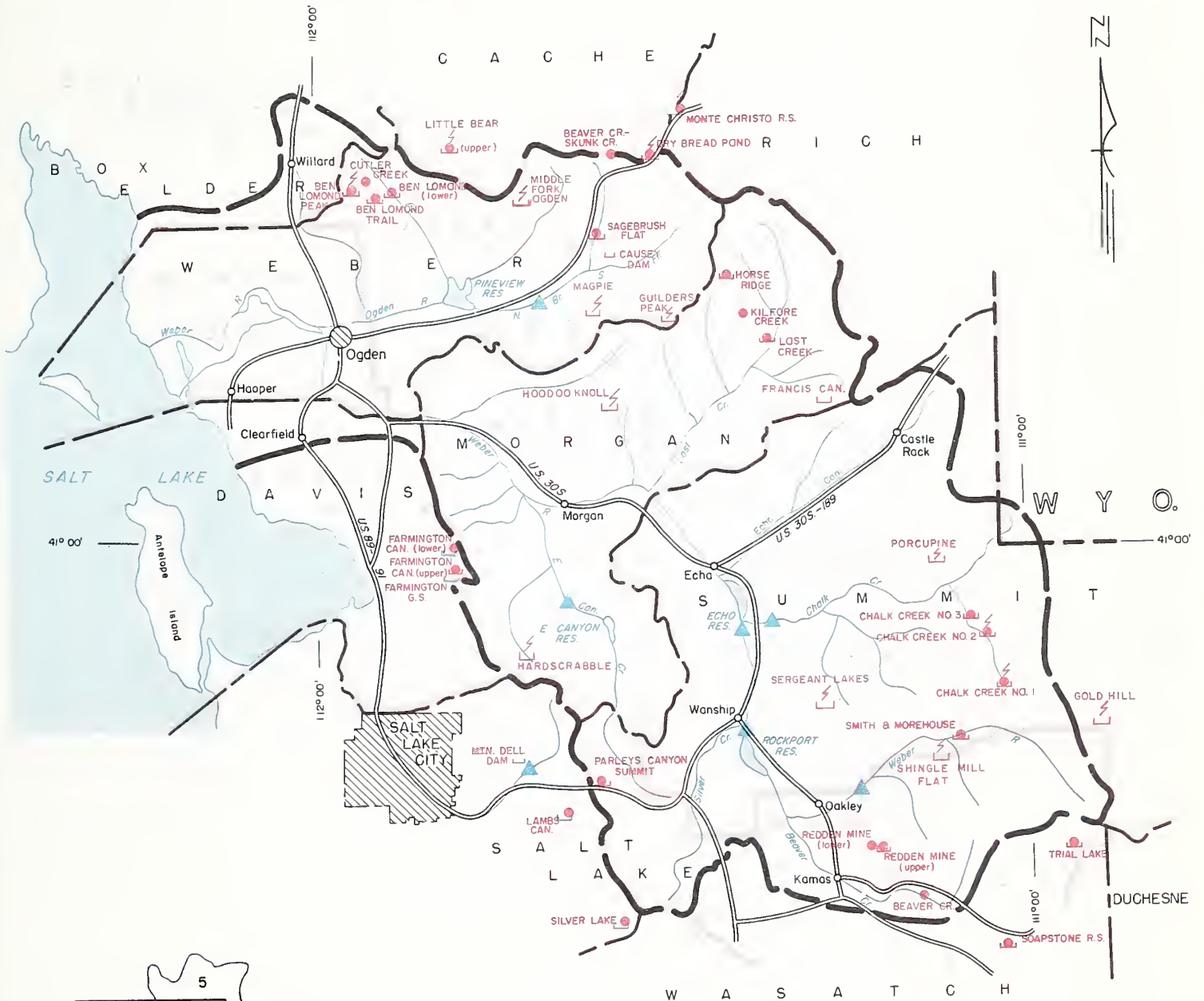
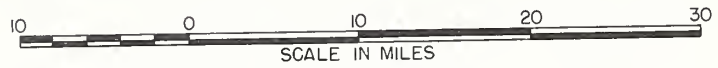
Beaver Creek-Skunk Crk.	11H14	7150	2/27	60	18.7	8.7	9.6
Christensen Ranch	11G11	5600	2/26	35	9.3	9.4	7.3*
Cub River R.S.	11G12	5400	2/27	33	8.7	8.2	7.5*
Dry Bread Pond x	11H13	8230	2/27	77	24.4	11.5	14.3
Dry Creek Flat	12G4	6350	2/25	39	10.1	4.8	6.2*
Emigration Canyon	11G7	6500	2/24	44	11.8	10.2	8.6*
Emigrant Summit	11G6	7700	2/24	85	26.6	21.9	19.2*
Garden City Summit	11H7	7600	2/28	60	17.7	12.4	15.1
Klondike Narrows	11H1	7400	2/28	70	21.5	15.6	16.7b
Little Bear (lower)	11H26	6100	2/25	52	15.4	8.2	7.6b
Little Bear (upper)	11H25	6850	2/25	64	17.8	9.6	9.4b
Monte Cristo R.S.	11H12	8960	2/27	92	30.0	17.6	20.2*
Oxford Mountain	12G3	6800	2/25	49	13.0	8.2	8.0*
Slug Creek Divide	11G5	7225	2/24	53	16.8	12.3	13.1*
Steep Hollow #1	11H27	8500	2/28	102	33.2	29.0	29.4b
Steep Hollow #2	11H28	7700	2/28	84	25.4	20.0	22.4b
Strawberry Creek	11G9	5800	2/26	46	11.9	10.9	9.3*
Strawberry Mink Divide	11G10	6800	2/27	74	22.4	16.5	17.2*
Tony Grove R.S.	11H3	6250	2/28	40	11.1	8.7	9.5
Willow Flat	11G4	6100	2/27	55	15.6	12.2	12.7*



# PRECIPITATION DATA (Inches)

DRAINAGE BASIN AND RAIN GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. OCT. 1 TO DATE		
		DATE OF READING	MONTHS PRECIPITATION	1953-67 AVERAGE	THIS YEAR	1953-67 AVERAGE	PERCENT OF AVERAGE
Chalk Creek #1 x	9100	2/28	5.10	- -	- -	- -	- -
Chalk Creek #2 x	8000	2/28	2.90	3.02b	- -	11.82*	- -
Chalk Creek #3 x	7500	2/25	2.08	1.82b	12.23	10.19b	120
Dry Bread Pond	8230	No Report		4.47*	- -	16.22*	- -
Garden City Summit	7600	2/28	4.48	3.22*	18.52	14.74	126
Kelly R. S.	8200	2/25	3.60	- -	- -	- -	- -
Klondike Narrows	7400	No Report		5.24b	- -	19.39	- -
Little Bear (upper)	6850	No Report		- -	- -	15.36	- -
Monte Cristo #2 (WB)	8960	3/3	3.42	4.94b	29.00	19.68	147
Sagebrush Flat x	6300	3/3	4.10	2.48b	15.69	10.76	146
Salt River Summit	7900	2/27	3.65	3.51b	16.85	12.98	130
Tony Grove R. S. (SCS)	6250	2/28	2.90	- -	- -	- -	- -
Trial Lake x	9800	2/28	5.33	4.47b	27.09	17.36	156
Willow Flat	6100	2/27	4.90	4.72*	23.47	17.52	134

# WEBER - OGDEN WATERSHEDS



WATERSHED LOCATION

## LEGEND

- Watershed Boundary
- Soil Conservation District Bdry.
- County Boundary
- Forecast Point
- Snow Course
- S.C.S. Storage Gage
- W.B. Storage Gage
- Radio Telemetry

# I NDEX

NO.	STATE	NAME	SEC.	TWP.	RGE.	ELEV.
OGDEN RIVER						
11H14M	U	Beaver Creek-Skunk Creek	22	8N	3E	7,150
11H8	U	Ben Lomond Peak	3	7N	1E	8,000
11H9P	U	Ben Lomond (lower)	1	7N	1W	5,850
11H30P	U	Ben Lomond Trail	2	7N	1W	6,000
11H35p	U	Causey Dam	34	7N	3E	5,500
11H31	U	Cutler Creek	3	7N	1W	6,780
11H13MP	U	Dry Bread Pond	19	8N	4E	8,230
11H34p	U	Guilder's Peak	21	6N	4E	8,050
11H42p	U	Magpie	29	6N	3E	7,700
11H45p	U	Middle Fork Ogden	16	7N	2E	8,420
11H12P	U	Monte Cristo R.S.	3	8N	4E	8,960
11H10	U	Mt. Ogden	5	5N	1E	8,600
11H15P	U	Sagebrush Flat	21	7N	3E	6,300
11H11P	U	Snow Basin	32	6N	1E	6,420

WEBER RIVER						
11J24	U	Beaver Creek R.S.	28	2S	7E	7,500
11J1	U	Chalk Creek #1	4	1N	8E	9,100
11J2MP	U	Chalk Creek #2	17 & 20	2N	8E	8,000
11J3M	U	Chalk Creek #3	7	2N	8E	7,500
11J12P	U	Farmington Canyon (lower) x	14	3N	1E	6,950
11J11	U	Farmington Canyon (upper) x	26	3N	1E	8,000
11H44p	U	Francis Canyon	29	5N	6E	7,400
11J37p	U	Hardscrabble	16	2N	2E	6,500
11H43p	U	Hoodoo Knoll	22	5N	3E	8,350
11H21P	U	Horse Ridge	1	6N	4E	8,260
11H31	U	Kilfore Creek	20	6N	5E	7,300
11J14	U	Lamb's Canyon x	19	1S	3E	6,600
11H32P	U	Lost Creek	27	6N	5E	6,125
11J15P	U	Parley's Canyon Summit	9 & 10	1S	3E	7,600
11J38p	U	Porcupine	22	3N	7E	8,100
11J6	U	Reddon Mine (lower)	1	2S	6E	8,500
11J5	U	Reddon Mine (upper)	1	2S	6E	9,000
11J39p	U	Sergeant Lakes	17	1N	5E	8,400
11J40p	U	Shingle Mill Flat	15	1S	7E	9,900
11J16P	U	Silver Lake (Brighton) x	35	2S	3E	8,725
11J4P	U	Smith & Morehouse	25	1N	7E	7,600
10J8P	U	Trial Lake x	5	2S	9E	9,800

## LEGEND

### Numbering system (example)

10J7	SNOW COURSE ONLY
10J7P	SNOW COURSE AND PRECIPITATION GAGE
10J7M	SNOW COURSE AND SOIL MOISTURE STATION
10J7A	SNOW COURSE AND AERIAL MARKER
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10J7m	SOIL MOISTURE STATION ONLY
10J7a	AERIAL MARKER ONLY
10J7p	STORAGE PRECIPITATION GAGE ONLY
x	ADJACENT DRAINAGE

# SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
			DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	NO.	ELEVATION				LAST YEAR	AVERAGE <sup>a</sup>

## WEBER-OGDEN WATERSHEDS

### OGDEN RIVER

Beaver Crk-Skunk Crk.	11H14	7150	2/27	60	18.7	8.7	9.6
Ben Lomond(lower)	11H9	5850	2/26	68	20.1	12.8	11.4b
Ben Lomond Peak	11H8	8000	2/26	135	43.7	24.9	26.2b
Ben Lomond Trail	11H30	6000	2/26	78	24.2	12.0	11.3b
Cutler Creek	11H31	6780	2/26	116	38.2	18.2	20.0b
Dry Bread Pond	11H13	8230	2/27	77	24.4	11.5	14.3
Monte Cristo R. S.	11H12	8960	2/27	92	30.0	17.6	20.2*
Sagebrush Flat	11H15	6300	2/27	27	7.5	3.2	4.0

### WEBER RIVER

Beaver Creek R. S.	11J24	7500	2/28	41	11.8	8.0	7.3
Chalk Creek #1	11J1	9100	2/25	86	23.6	16.0	17.7*
Chalk Creek #2	11J2	8000	2/25	53	15.3	11.4	11.1
Chalk Creek #3	11J3	7500	2/25	32	8.4	6.6	6.3
Farmington Canyon(lower)	11J12	6950	2/24	79	25.4	17.5	16.9
Farmington Canyon(upper)	11J11	8000	2/24	96	33.5	20.8	20.9
Lamb's Canyon x	11J14	6600	2/28	66	22.4	11.1	11.6
Parley's Canyon Smt.	11J15	7500	2/28	70	21.3	16.4	14.2
Redden Mine(lower)	11J6	8500	2/27	83	25.5	14.0	13.9
Redden Mine(upper)	11J5	9000	2/27	86	27.6	15.6	15.5
Silver Lake x	11J16	8725	2/27	98	31.0	20.8	18.9
Smith & Morehouse	11J4	7600	2/26	63	18.0	11.3	10.1
Trial Lake x	10J8	9800	2/28	95	29.8	20.5	20.7

# PRECIPITATION DATA (Inches)

DRAINAGE BASIN AND RAIN GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. OCT. 1 TO DATE		
		DATE OF READING	MONTH'S PRECIPITATION	1953-67 AVERAGE	THIS YEAR	1953-67 AVERAGE	PERCENT OF AVERAGE

## OGDEN RIVER

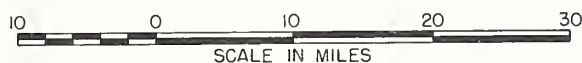
Ben Lomond(lower)	5850	2/26	6.95	4.39b	35.23	19.85*	177
Ben Lomond Trail	6000	2/26	8.71	4.41b	38.16	21.48*	178
Causey Dam	5500	3/3	2.97	1.92b	11.46	12.58*	- -
Dry Bread Pond	8230	No Report		4.47*	- -	16.22*	- -
Monte Cristo #2 x(WB)	8960	3/3	8.42	4.94b	29.00	19.68	147
Sagebrush Flat	6300	3/3	4.10	2.48b	15.69	10.76	146

## WEBER RIVER

Chalk Creek #1	9100	No Report		- -	- -	- -	- -
Chalk Creek #2	8000	No Report		3.02b	- -	11.82*	- -
Chalk Creek #3	7500	2/25	2.08	1.82b	12.23	10.19b	120
Farmington G. S.	7500	2/24	5.38	4.69	31.67	21.73	146
Farmington Rice	7000	2/24	5.65	4.38	31.59	19.73	160
Parley's Canyon Smt.	7500	2/28	4.68	3.94*	25.46	15.58	163
Redden Mine (upper)	9000	2/27	- -	- -	28.31	- -	- -
Silver Lake(Brighton)x	8725	2/28	11.62	3.40	37.59	19.11	197
Smith & Morehouse	7600	2/26	4.55	3.19b	19.20	12.98	148
Trial Lake x	9800	2/28	5.33	4.47b	27.09	17.36	156

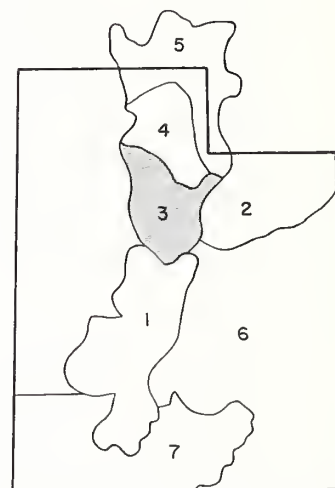


# UTAH LAKE, JORDAN RIVER AND TOOELE VALLEY WATERSHEDS

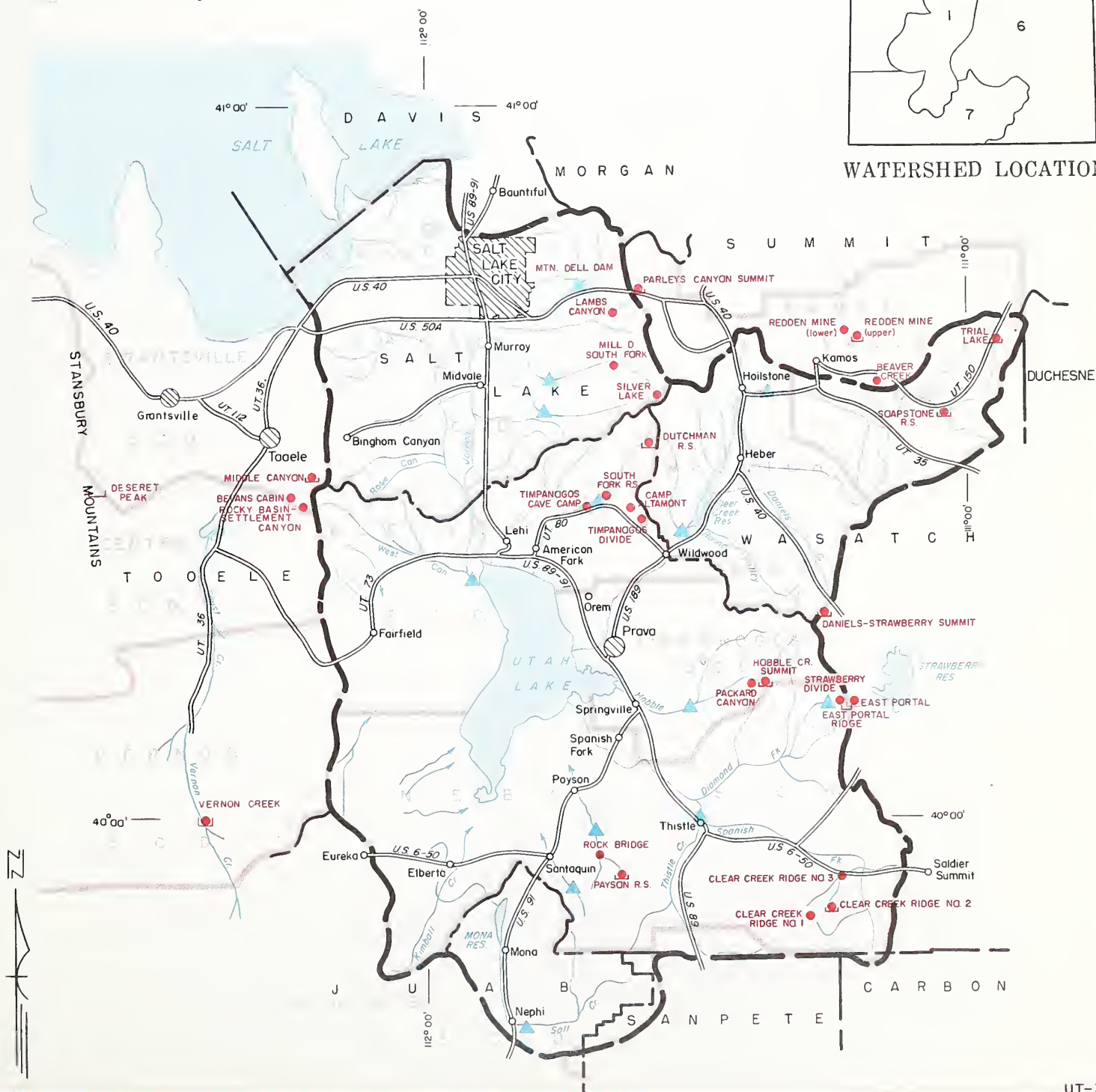


## LEGEND

- Watershed Boundary
- Soil Conservation District Bdry.
- County Boundary
- ▲ Forecast Point
- Snow Course
- └─┘ S.C.S. Storage Gage
- └─┘ W.B. Storage Gage



WATERSHED LOCATION



# INDEX

NO.	STATE	NAME	SEC.	TWP.	RGE.	ELEV.
PROVO RIVER & UTAH LAKE						
11J20	U	Camp Altamont	29	4S	3E	7,300
11K21	U	Clear Creek Ridge #1	18	11S	6E	9,200
11K22P	U	Clear Creek Ridge #2	9	11S	6E	8,000
11K23	U	Clear Creek Ridge #3	27	10S	6E	6,600
11J23MP	U	Daniels-Strawberry Summit	20	2S	12W	8,000
11J17P	U	Dutchman R.S.	27	3S	3E	7,560
11J7P	U	East Portal	36	7S	6E	7,560
11J22P	U	Hobble Creek Summit	20	7S	5E	7,420
11J31	U	Packard Canyon	21	7S	5E	6,400
11K1P	U	Payson R.S.	30	10S	3E	8,050
11K2	U	Rock Bridge	14	10S	2E	6,750
11J25P	U	Soapstone R.S.	9	3S	8E	7,800
11J19	U	South Fork R.S.	24	4S	2E	6,100
11J8	U	Strawberry Divide	34 & 35	7S	6E	8,000
11J18	U	Timpanogos Cave Camp	27	4S	2E	5,500
11J21P	U	Timpanogos Divide	33	4S	3E	8,140
10J8P	U	Trial Lake	5	2S	9E	9,800

## JORDAN RIVER & GREAT SALT LAKE

12J2	U	Bevan's Cabin	24	4S	4W	6,450
12J5p	U	Deseret Peak	15	4S	7W	9,250
11J12P	U	Farmington Canyon (lower)	14	3N	1E	6,950
11J11	U	Farmington Canyon (upper)	26	3N	1E	8,000
11J14	U	Lamb's Canyon	19	1S	3E	6,600
12J3P	U	Middle Canyon	8	4S	3W	7,000
11J10	U	Mill D South Fork	18	2S	3E	7,400
11J15P	U	Parley's Canyon Summit x	9 & 10	1S	3E	7,600
12J1	U	Rocky Basin-Settlement Canyon	30	4S	3W	8,900
11J16P	U	Silver Lake (Brighton)	35	2S	3E	8,725
12K2P	U	Vernon Creek	21	10S	5W	7,500

## LEGEND

### Numbering system (example)

10J7	SNOW COURSE ONLY
10J7P	SNOW COURSE AND PRECIPITATION GAGE
10J7M	SNOW COURSE AND SOIL MOISTURE STATION
10J7A	SNOW COURSE AND AERIAL MARKER
10J7MA	SNOW COURSE, SOIL MOISTURE STATION AND AERIAL MARKER
10J7MP	SNOW COURSE, SOIL MOISTURE STATION AND PRECIPITATION GAGE
10J7m	SOIL MOISTURE STATION ONLY
10J7a	AERIAL MARKER ONLY
10J7p	STORAGE PRECIPITATION GAGE ONLY
x	ADJACENT DRAINAGE

# SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
NAME	NO.	ELEVATION	DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
						LAST YEAR	AVERAGE

## UTAH LAKE, JORDAN RIVER AND TOOELE VALLEY WATERSHEDS

### UTAH LAKE

Beaver Creek R. S. x	11J24	7500	2/28	41	11.8	8.0	7.3
Camp Altamont	11J20	7300	2/28	89	29.0	14.0	12.1
Clear Creek Ridge #1	11K21	9200	2/24	76	23.7	13.4	14.2b
Clear Creek Ridge #2	11K22	8000	2/24	64	13.1	11.0	11.0b
Clear Creek Ridge #3	11K23	6600	2/24	41	11.6	7.7	6.2b
Daniels-Strawberry Smt.	11J23	8000	2/26	78	25.3	13.1	11.6
Dutchman R. S.	11J17	7500	2/28	90	27.5	15.6	14.8b
East Portal	11J7	7560	2/28	60	18.7	10.3	8.6
Hobble Creek Summit	11J22	7300	2/27	72	20.2	12.2	10.7b
Packard Canyon	11J31	6400	2/27	49	14.8	9.5	8.2b
Payson R. S.	11K1	8050	2/26	77	23.6	14.8	13.9b
Rock Bridge	11K2	6750	2/26	50	12.6	9.3	9.6b
Soapstone R. S.	11J25	7800	2/28	49	14.3	11.7	10.5
South Fork R. S.	11J19	6100	2/28	33	8.6	8.0	5.0
Strawberry Divide	11J8	8000	2/28	82	27.9	16.3	15.1
Timpanogos Cave Camp	11J18	5500	2/28	16	3.2	2.4	2.3
Timpanogos Divide	11J21	8140	2/28	126	41.5	20.9	19.9
Trial Lake	10J8	9800	2/28	95	29.8	20.5	20.7

### JORDAN RIVER & TOOELE VALLEY

Lamb's Canyon	11J14	6600	2/28	62	19.0	11.1	11.6
Middle Canyon-Tooele	12J3	7000	2/27	62	18.6	10.2	10.1b
Mill D South Fork	11J10	7400	2/27	76	24.6	16.4	15.7
Parley's Canyon Smt. x	11J15	7500	2/28	70	21.3	16.4	14.2
Silver Lake	11J16	8725	2/27	98	31.0	20.8	18.9
Vernon Creek	12K2	7500	2/27	53	17.2	7.6	- -

# PRECIPITATION DATA (Inches)

DRAINAGE BASIN AND RAIN GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. OCT. 1 TO DATE		
		DATE OF READING	MONTH'S PRECIPITATION	1953-67 AVERAGE	THIS YEAR	1953-67 AVERAGE	PERCENT OF AVERAGE

## UTAH LAKE

Clear Creek Ridge #2	8000	2/24	3.85	2.62b	18.20	11.59*	157
Daniels-Strawberry Smt.	8000	2/26	5.54	2.90b	24.49	13.85*	177
Dutchman R. S.	7500	2/28	8.25	- -	32.45	15.94b	204
East Portal Ridge	7800	2/28	5.05	3.37	22.34	13.78*	162
Hobble Creek Smt.	7300	2/27	- -	- -	20.65	- -	- -
Payson R. S.	8050	2/26	6.90	3.34b	22.45	13.85	162
Soapstone R. S.	7800	2/28	2.69	2.71b	15.87	12.13	131
Timpanogos Divide	8200	2/28	12.90*	3.94	46.50*	19.89	234
Trial Lake	9800	2/28	5.33	4.47b	27.09	17.36	156

## JORDAN RIVER & TOOELE VALLEY

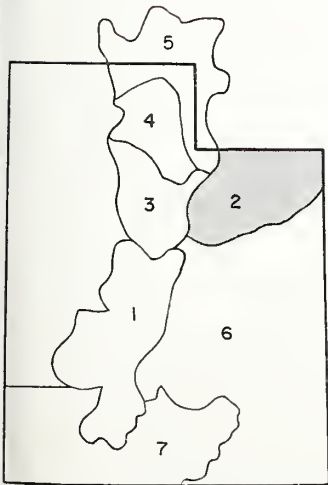
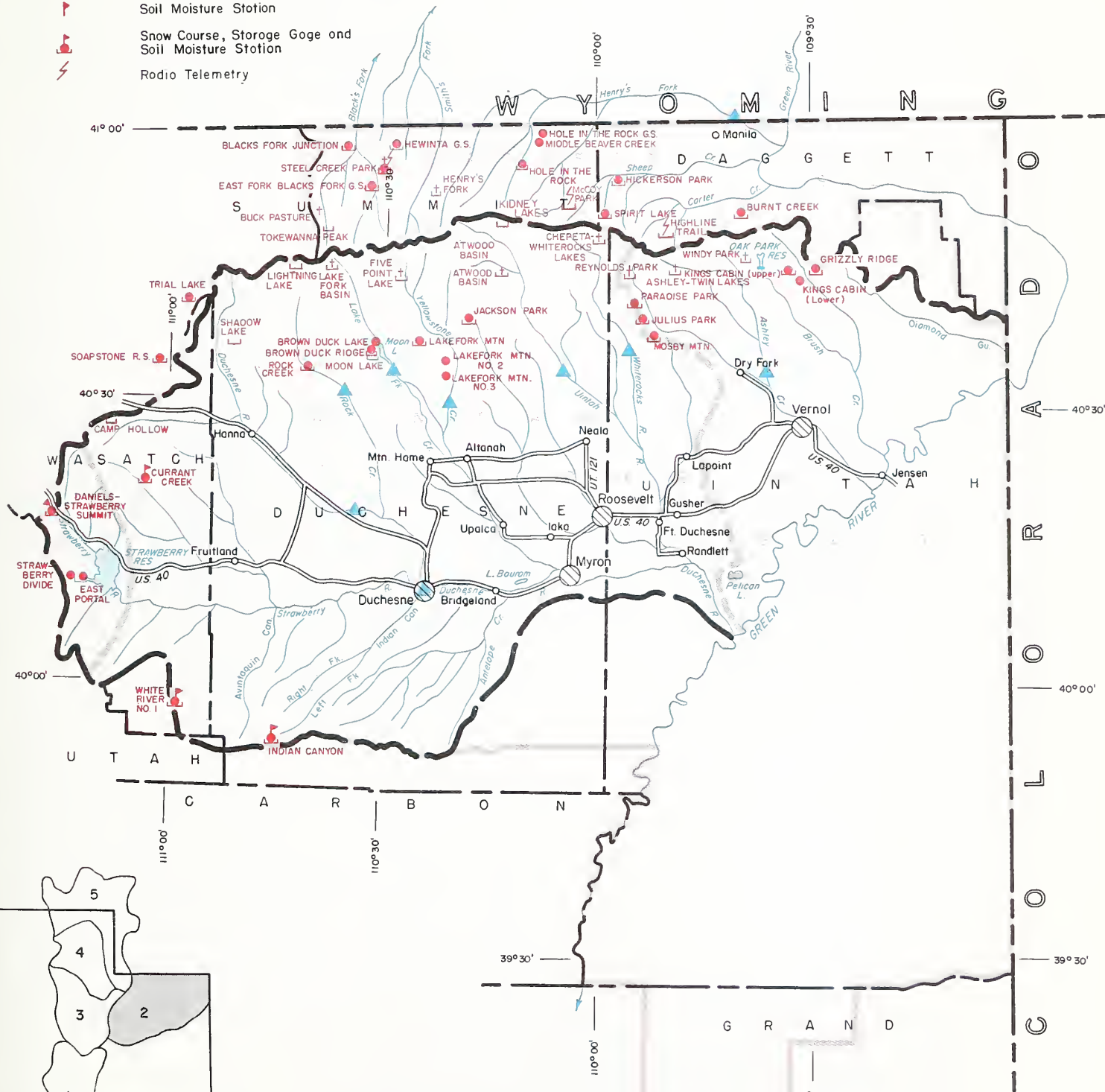
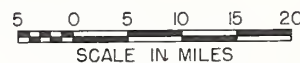
Middle Canyon	7000	2/27	6.23	3.32b	23.29	12.87	181
Mt. Dell Dam	5500	2/28	2.28	2.02	12.65	9.52	133
Parley's Canyon Smt.	7500	2/28	4.68	3.94*	25.46	15.58	163
Silver Lake (Brighton)	8725	2/28	11.62	3.40	37.59	19.11	197
Vernon Creek	7500	2/27	- -	- -	10.13	- -	- -



# LEGEND

- Watershed Boundary
- Sub-watershed Boundary
- Soil Conservation District Bdry
- County Boundary
- Forecast Point
- Snow Course
- S.C.S. Storage Gage
- W.B. Storage Gage
- Aerial Snow Depth Gage
- Snow Course and Aerial Snow Depth Gage
- Soil Moisture Station
- Snow Course, Storage Gage and Soil Moisture Station
- Radio Telemetry

# UINTAH BASIN & DAGGETT S. C. D's.



WATERSHED LOCATION



# INDEX

NO.	STATE	NAME	SEC.	TWP.	RGE.	ELEV.
UPPER GREEN RIVER IN UTAH (above Duchesne River)						
9J11a	U	Ashley Twin Lakes	20	1S	19E	10,500
10J21P	U	Black's Fork G.S.-East Fork	25	2N	12E	9,300
10J22P	U	Black's Fork Junction	33	3N	12E	8,925
10J23a	U	Buck Pasture	14	1N	11E	9,700
10J4P	U	Hewinta G.S.	33	3N	13E	9,500
9J8	U	Hickerson Park	24	2N	17E	9,100
9J15p	U	Highline Trail	23	1N	19E	10,250
10J1	U	Hole-in-the-Rock	13	2N	15E	9,150
10J3	U	Hole-in-the-Rock G.S.	32	3N	16E	8,300
9J2	U	King's Cabin (lower)	23 & 26	1S	21E	8,600
9J1P	U	King's Cabin (upper)	22	1S	21E	8,730
10J37p	U	McCoy Park	6	1N	17E	10,680
10J2	U	Middle Beaver Creek	31	3N	16E	8,550
9J7P	U	Spirit Lake	10	1N	17E	10,300
10J20A	U	Steel Creek Park	17	2N	13E	9,900
9J12a	U	Windy Park	1	1S	20E	9,400

## DUCHESNE RIVER

10J27a	U	Atwood Basin	21	1S	15E	10,250
10J9	U	Brown Duck Lake	2	2N	6W	10,300
9J9a	U	Chepeta-Whiterocks Lakes	3	1S	17E	10,300
11J32MP	U	Currant Creek	31	1S	10W	7,800
11J23MP	U	Daniels-Strawberry Summit x	20	2S	12W	8,000
11J7P	U	East Portal x	36	7S	6E	7,560
10J26a	U	Five Point Lake	28	4N	5W	11,000
10K1P	U	Indian Canyon	2	11S	10E	9,100
10J19	U	Jackson Park	23	3N	4W	11,300
9J6P	U	Julius Park	20	3N	1E	9,800
10J25a	U	Lakefork Basin	13	4N	7W	11,100
10J10P	U	Lakefork Mountain	2 & 3	2N	5W	10,200
10J11	U	Lakefork Mountain #2	17	2N	4W	8,900
10J12	U	Lakefork Mountain #3	29	2N	4W	8,100
9J5	U	Mosby Mountain	27	2S	18E	9,500
9J3P	U	Paradise Park	7	3N	1E	10,100
10J18P	U	Rock Creek	21	2N	7W	7,900
10J25P	U	Soapstone R.S. x	9	3S	8E	7,800
11J8	U	Strawberry Divide x	34 & 35	7S	6E	8,000
10J8P	U	Trial Lake x	5	2S	9E	9,800
10K2MP	U	White River #1 x	11	10S	8E	8,550

## LEGEND

Numbering system (example)

10J7	SNOW COURSE ONLY
10J7P	SNOW COURSE AND PRECIPITATION GAGE
10J7M	SNOW COURSE AND SOIL MOISTURE STATION
10J7A	SNOW COURSE AND AERIAL MARKER
10J7MA	SNOW COURSE, SOIL MOISTURE STATION AND AERIAL MARKER
10J7MP	SNOW COURSE, SOIL MOISTURE STATION AND PRECIPITATION GAGE
10J7m	SOIL MOISTURE STATION ONLY
10J7a	AERIAL MARKER ONLY
10J7p	STORAGE PRECIPITATION GAGE ONLY
x	ADJACENT DRAINAGE

# SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
			DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	NO.	ELEVATION				LAST YEAR	AVERAGE <sup>a</sup>

## UINTAH BASIN & DAGGETT SCD's

### UINTAH BASIN SCD

Daniels-Strawberry Smt.x	11J23	8000	2/26	78	25.3	13.1	11.6
East Portal x	11J7	7560	2/28	60	18.7	10.8	8.6
Indian Canyon	10K1	9100	2/26	68	17.7	12.7	9.3
Julius Park	9J6	9800	2/28	76	19.9	9.8	9.4b
King's Cabin(lower)	9J2	8600	2/24	48	11.5	8.0	6.8
King's Cabin(upper)	9J1	8730	2/24	53	12.8	9.1	7.9
Lakefork Mountain	10J10	10500	2/27	67	16.5	10.1	9.0
Lakefork Mountain #2	10J11	8900	2/27	61	14.1	7.2	6.4
Lakefork Mountain #3	10J12	8100	2/27	55	13.2	6.6	5.4
Mosby Mountain	9J5	9500	2/28	64	16.3	7.8	7.9
Paradise Park	9J3	10100	2/28	76	19.4	8.8	9.4
Soapstone R.S. x	11J25	7800	2/28	49	14.3	11.7	10.5
Strawberry Divide x	11J8	8000	2/28	82	27.9	16.3	15.1
Trial Lake x	10J8	9800	2/28	95	29.8	20.5	20.7
White River #1	10K2	8600	2/25	56	17.5	12.2	10.8b

### DAGGETT SCD

Black's Fork Jct.	10J22	8925	2/19	34	7.2	6.7	7.2b
Black's Fork G.S.-East Fk.	10J21	9300	2/19	26	6.2	6.0	7.4b
Hewinta Guard Station	10J4	9500	2/20	28	6.0	6.7	7.0b
Hickerson Park	9J8	9100	2/25	18	9.3	4.1	- -
Spirit Lake	9J7	10300	2/25	43	9.7	9.1	9.3b
Steel Creek Park	10J20	9900	2/20	48	11.9	10.7	11.8b

### UINTAH BASIN - Aerial Markers

Ashley Twin Lakes A	9J11	10500	Delayed Data			- -	- -
Atwood Basin A	10J27	10250	Delayed Data			- -	- -
Buck Pasture A	10J23	9700	3/3	47	10.8	- -	- -
Chepeta-Whiterocks Lakes A	9J9	10300	Delayed Data			- -	- -
Five Point Lake A	10J26	11000	Delayed Data			- -	- -
Henry's Fork A	10J24	10200	3/3	39	8.9	- -	- -
Lakefork Basin A	10J25	11100	Delayed Data			- -	- -
Reynolds Park A	9J10	10400	Delayed Data			- -	- -
Windy Park A	9J12	9400	3/3	72	17.3	- -	- -

# PRECIPITATION DATA (Inches)

DRAINAGE BASIN AND RAIN GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. OCT. 1 TO DATE		
		DATE OF READING	MONTH'S PRECIPITATION	1953-67 AVERAGE	THIS YEAR	1953-67 AVERAGE	PERCENT OF AVERAGE

## UINTAH BASIN SCD

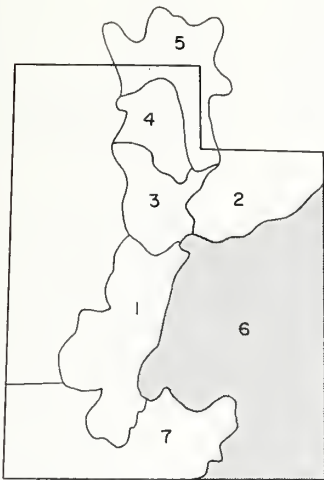
Daniels-Strawberry Smt.x	8000	2/26	5.54	2.90b	24.49	13.85b	177
East Portal Ridge x	7800	2/28	5.05	3.37	22.34	13.78*	162
Grizzly Ridge	8500	2/28	5.65	- -	15.70	- -	- -
Indian Canyon	9100	2/26	5.53	1.53b	16.95	10.74	158
Julius Park	9800	2/25	6.05	1.76*	17.09	9.38*	182
King's Cabin(upper)	8730	2/24	- -	- -	11.62	7.97*	146
Lakefork Mountain	10500	2/27	5.33	2.24b	15.46	9.18	168
Moon Lake	8150	2/28	2.35	1.16	9.25	6.41	144
Paradise Park	10100	2/28	6.29*	1.92	18.19	10.30	177
Soapstone R. S. x	7800	2/28	2.69	2.71b	15.87	12.13	131
Trial Lake x	9800	2/28	5.33	4.47b	27.09	17.36	156
White River #1	8600	2/25	- -	- -	10.86*	10.40*	104

## DAGGETT SCD

Black's Fork Jct.	8925	2/19	- -	- -	7.36	8.00b	92
Burnt Creek	7900	2/28	2.38	- -	6.77	- -	- -
East Fork Black's Fk. G.S.	9300	2/19	- -	- -	8.35	- -	- -
Hewinta Guard Station	9500	2/20	- -	- -	9.55	- -	- -
Hickerson Park	9100	2/24	- -	- -	5.26	- -	- -
Spirit Lake	10300	2/25	- -	- -	11.75	11.33	104
Steel Creek Park	9900	No Report	- -	- -	- -	- -	- -

# CARBON, EMERY, WAYNE, GRAND AND SAN JUAN COUNTIES

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SCALE IN MILES

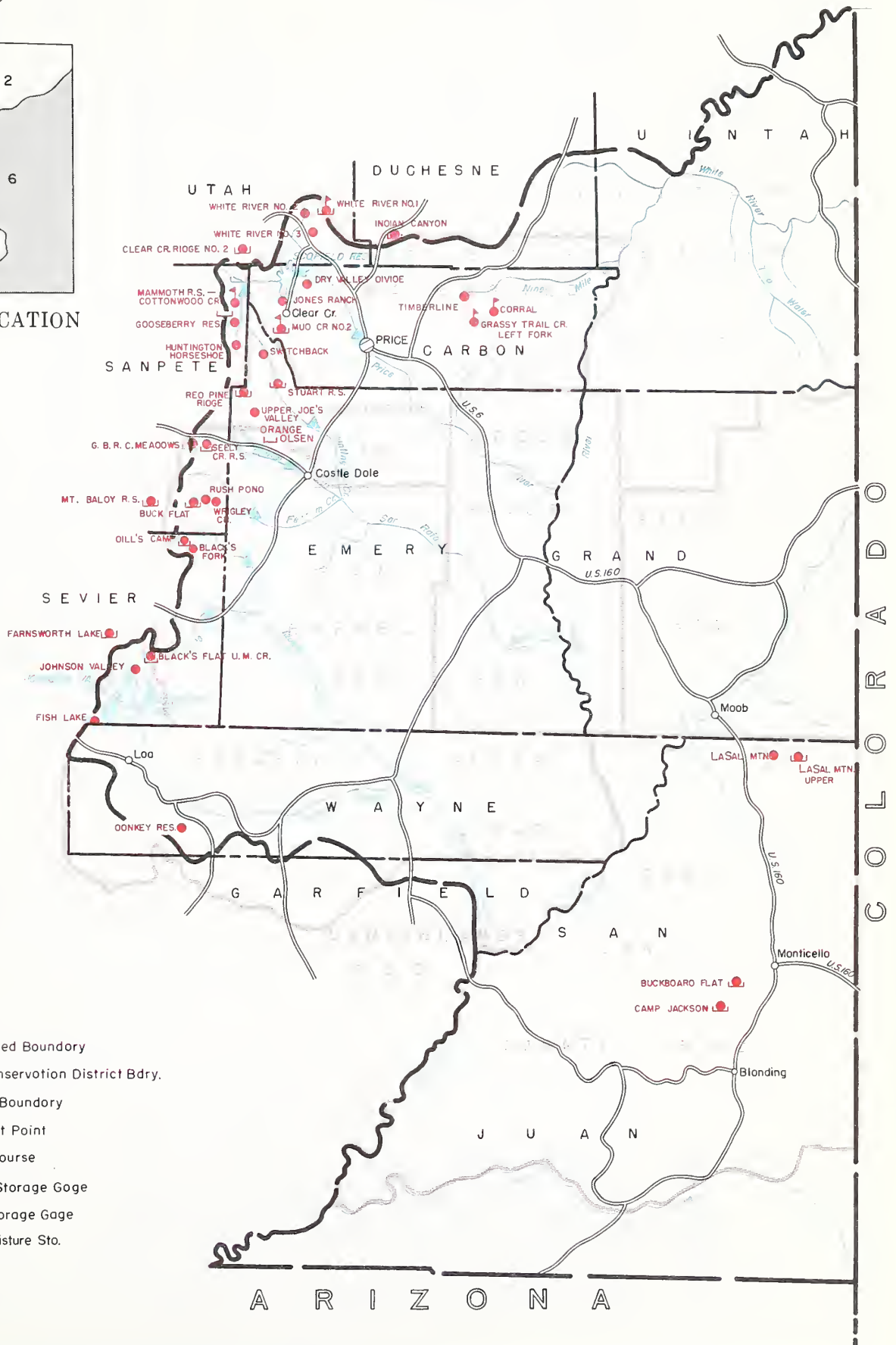


WATERSHED LOCATION



## LEGEND

- Watershed Boundary
- Soil Conservation District Bdry.
- County Boundary
- Forecast Point
- Snow Course
- S.C.S. Storage Gage
- W.B. Storage Gage
- Soil Moisture Sto.





# INDEX

NO.	STATE	NAME	SEC.	TWP.	RGE.	ELEV.
PRICE RIVER						
10K5M	U	Corral	32	13S	14E	8,200
11K8	U	Dry Valley Divide	20	12S	8E	7,800
11K4P	U	Gooseberry Reservoir	25	13S	5E	8,700
10K3M	U	Grassy Trail Creek-Left Fork	2	14S	13E	7,970
11K5	U	Huntington-Horseshoe	12	14S	5E	9,800
10K1P	U	Indian Canyon x	2	11S	10E	9,100
11K7	U	Jones Ranch	32	12S	7E	7,600
11K3MP	U	Mammoth R.S. - Cottonwood Creek x	13 & 23	13S	5E	8,800
11K33MP	U	Mud Creek	4	14S	7E	8,300
10K6	U	Timberline	28	13S	13E	9,100
10K2MP	U	White River #1	11	10S	8E	8,550
11K24	U	White River #2	9	10S	8E	7,600
11K25	U	White River #3	30	10S	8E	7,400
SAN RAFAEL RIVER						
11K31P	U	Buck Flat	23	19S	4E	9,400
11K4P	U	Gooseberry Reservoir	25	13S	5E	8,700
11K5	U	Huntington-Horseshoe	12	14S	5E	9,800
11K28P	U	Red Pine Ridge	5	16S	6E	9,400
11K38	U	Rush Pond	24	19S	4E	9,800
11K9	U	Seeley Creek R.S.	25	17S	4E	10,000
11K27P	U	Stuart R.S.	8 & 9	15S	7E	7,950
11K26	U	Switchback	14	14S	6E	8,600
11K29	U	Upper Joe's Valley	21	16S	6E	8,800
11K32	U	Wrigley Creek	27	19S	5E	9,000
MUDDY RIVER						
11K14	U	Black's Fork	34	20S	4E	9,200
11K15	U	Dill's Camp	27	20S	4E	9,200
FREMONT RIVER						
11L4P	U	Black's Flat-U.M. Creek	33	24S	3E	9,250
11L5	U	Donkey Reservoir	9	30S	4E	9,800
11L3	U	Fish Lake	35	26S	1E	8,700
11L6	U	Johnson Valley	24	25S	2E	8,850
SOUTHEASTERN UTAH DRAINAGES						
9M1P	U	Buckboard Flat	36	33S	22E	9,000
9M2P	U	Camp Jackson	22	34S	22E	8,600
9L1	U	LaSal Mountain	5	27S	24E	8,800
9L2P	U	LaSal Mountain (upper)	3	27S	24E	9,400

## LEGEND

### Numbering system (example)

10J7	SNOW COURSE ONLY
10J7P	SNOW COURSE AND PRECIPITATION GAGE
10J7M	SNOW COURSE AND SOIL MOISTURE STATION
10J7A	SNOW COURSE AND AERIAL MARKER
10J7MA	SNOW COURSE, SOIL MOISTURE STATION AND AERIAL MARKER
10J7MP	SNOW COURSE, SOIL MOISTURE STATION AND PRECIPITATION GAGE
10J7m	SOIL MOISTURE STATION ONLY
10J7a	AERIAL MARKER ONLY
10J7p	STORAGE PRECIPITATION GAGE ONLY
x	ADJACENT DRAINAGE



# SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
			DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	NO.	ELEVATION				LAST YEAR	AVERAGE <sup>a</sup>

## CARBON, EMERY, WAYNE, GRAND & SAN JUAN COUNTIES

### PRICE RIVER

Corral	10K5	8200	Not measured			9.0	7.4b
Dry Valley Divide	11K8	7800	2/26	62	17.7	10.1	8.7
Gooseberry Reservoir	11K4	8700	2/26	81	26.7	16.6	14.4b
Grassy Trail Crk-Left Fk.	10K3	7970	2/27	74	19.4	9.0	14.5b
Indian Canyon x	10K1	9100	2/26	68	17.7	12.7	9.3
Jones Ranch	11K7	7600	2/26	48	13.0	7.6	5.8
Mammoth R.S.-Ctnwd.Crk. x	11K3	8800	2/26	89	29.0	16.6	14.5b
Mud Creek #2	11K33	8300	2/26	83	19.7	10.8	10.4*
Timberline	10K6	9100	Not measured			12.5	9.4b
White River #1	10K2	8600	2/25	56	17.5	12.2	10.8b
White River #2	11K24	7600	2/25	43	13.6	9.1	7.5b
White River #3	11K25	7400	2/25	42	13.3	7.7	7.1b

### SAN RAFAEL RIVER

Buck Flat	11K31	9400	3/2	72	20.7	12.6	12.7b
Gooseberry Reservoir	11K4	8700	2/26	81	26.7	16.6	14.4b
Mammoth R.S.-Ctnwd.x	11K3	8800	2/26	89	29.0	16.6	14.5b
Red Pine Ridge	12K28	9400	3/1	81	23.1	16.4	13.8b
Rush Pond	11K38	9800	3/2	68	18.7	11.4	11.4b
Seely Creek R.S.	11K9	10000	2/28	63	19.2	16.4	12.0
Upper Joe's Valley	11K29	8800	3/1	58	15.9	9.4	8.2b
Wrigley Creek	11K32	9000	3/2	58	15.7	9.9	9.0b

### MUDDY RIVER

Mt. Baldy R.S. x	11K12	9500	2/25	83	25.0	16.8	17.3
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### FREMONT RIVER

Black's Flat-U.M. Creek	11L4	9250	2/24	45	12.0	9.9	7.7b
Farnsworth Lake x	11L1	9900	2/27	56	16.4	13.7	13.4b
Fish Lake	11L3	8700	2/25	37	10.1	10.3	4.7b
Johnson Valley	11L6	8850	2/24	40	9.8	7.7	4.9b

### SOUTHEASTERN UTAH DRAINAGES

Buckboard Flat	9M1	9000	2/17	43	12.9	15.4	9.8b
Camp Jackson	9M2	8600	2/18	56	17.9	15.5	9.2b
LaSal Mountain(lower)	9L1	8800	2/19	37	9.8	11.1	7.2
LaSal Mountain(upper)	9L2	9600	2/19	53	15.0	16.1	11.3b

# PRECIPITATION DATA (Inches)

DRAINAGE BASIN AND RAIN GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. OCT. 1 TO DATE		
		DATE OF READING	MONTH'S PRECIPITATION	1953-67 AVERAGE	THIS YEAR	1953-67 AVERAGE	PERCENT OF AVERAGE

## PRICE RIVER

Clear Creek Ridge #2 x	8000	2/24	3.85	2.62b	18.20	11.59*	157
Gooseberry Reservoir	8700	2/26	6.06	3.39b	24.46	13.83	177
Indian Canyon	9100	2/26	5.53	1.53b	16.95	10.74	158
Mammoth R. S. #2	8600	2/26	6.30	3.05b	25.13	14.40	182
Mud Creek	8300	2/26	4.90	2.42*	19.70	11.31	174
White River #1	8600	2/25	- -	- -	10.86*	10.46*	104

## SAN RAFAEL RIVER

Buck Flat	9400	3/2	6.00	3.41b	20.50	12.46*	164
G.B.R.C. Meadows x	10000	2/28	6.38	4.37	22.55	16.41	137
Gooseberry Reservoir x	8700	2/26	6.06	3.39b	24.46	13.83	177
Orange Olsen	7300	3/1	- -	- -	9.70	- -	- -
Red Pine Ridge	9400	3/1	6.85	4.65b	23.00	15.15*	152

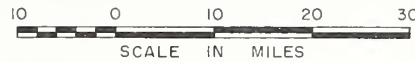
## FREMONT RIVER

Black's Flat-U.M. Creek	9250	2/24	- -	- -	11.48	8.93*	129
Farnsworth Lake x	9900	2/27	4.45	3.75b	17.07	13.52b	126
Fish Lake	8700	2/25	- -	- -	10.52	6.38b	165

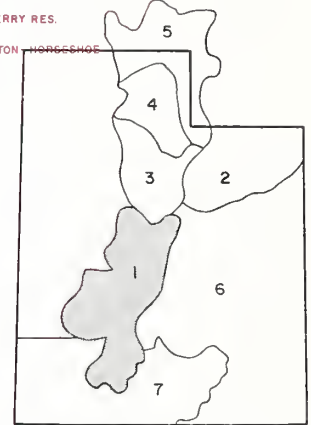
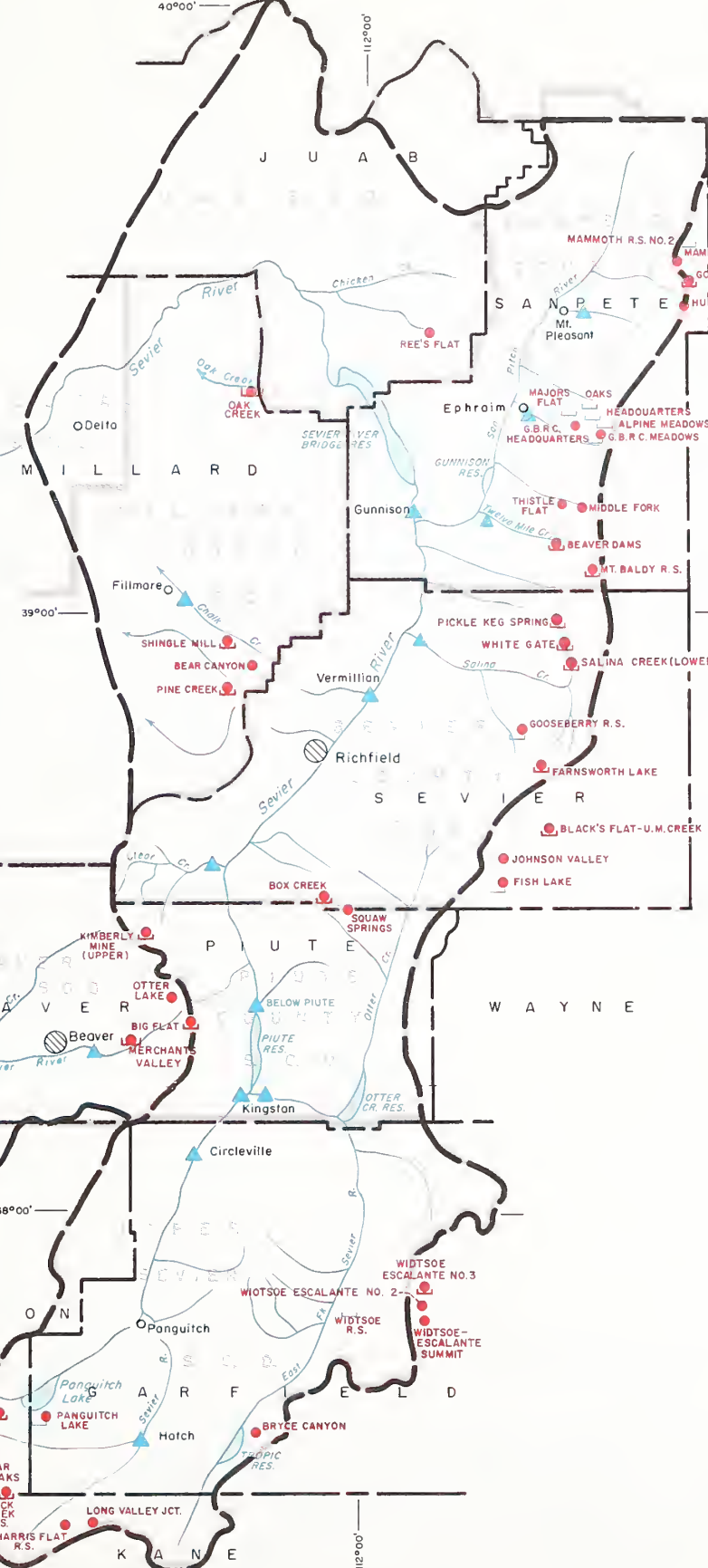
## SOUTHEASTERN UTAH DRAINAGES

Buckboard Flat	9000	2/17	- -	- -	13.39	14.04b	95
Camp Jackson	8600	2/18	- -	2.19*	17.48	11.66	150
LaSal Mountain(upper)	9600	2/19	- -	- -	13.99	- -	- -

# SEVIER RIVER BASIN including BEAVER RIVER



T O O E L E U T A H



WATERSHED LOCATION

## LEGEND

- Watershed Boundary
- Soil Conservation District Bdry.
- County Boundary
- Forecast Point
- Snow Course
- Soil Moisture Station
- S.C.S. Storage Gage
- W.B. Storage Gage



# INDEX

NO.	STATE	NAME	SEC.	TWP.	RGE.	ELEV.
UPPER SEVIER RIVER (South of Richfield, Utah)						
12L7P	U	Big Flat x	18	29S	4W	10,290
12L4P	U	Box Creek	33	26S	2W	9,800
12M8	U	Bryce Canyon	36	36S	4W	8,000
12M13P	U	Castle Valley	22	36S	8W	9,700
12M1P	U	Cedar Breaks	2	37S	9W	10,390
12M4P	U	Duck Creek R.S.	11	38S	8W	8,560
11L3	U	Fish Lake x	35	26S	1E	8,700
12M5	U	Harris Flat	24	38S	7W	7,700
12L6P	U	Kimberly Mine	11	27S	5W	9,100
12M6	U	Long Valley Junction x	22	38S	6W	7,500
12M2M	U	Midway Valley	26	37S	9W	9,800
12M7P	U	Panguitch Lake	4 & 5	36S	7W	8,200
12L5	U	Squaw Springs	3	27S	2W	9,300
11M1	U	Widtsoe-Escalante Summit	22	34S	1W	9,500
11M2	U	Widtsoe-Escalante #2	22	34S	1W	9,500
11M3P	U	Widtsoe-Escalante #3	22	34S	1W	9,500
11M4P	U	Widtsoe R.S.	22	34S	2W	7,600
LOWER SEVIER RIVER (Including San Pitch River)						
12L3	U	Bear Canyon	17	22S	3W	7,200
11K13P	U	Beaver Dams	27	19S	3E	8,000
11L1P	U	Farnsworth Lake	27 & 33	23S	2E	9,900
11K11P	U	G.B.R.C. Headquarters	21	17S	4E	8,700
11K10	U	G.B.R.C. Meadows	26 & 27	17S	4E	10,000
11L2	U	Gooseberry R.S.	32	23S	2E	8,400
11K4P	U	Gooseberry Reservoir x	25	13S	5E	8,700
11K5	U	Huntington-Horseshoe x	12	14S	5E	9,800
11K3MP	U	Mammoth R.S.-Cottonwood Creek	13	13S	5E	8,800
11K34	U	Middle Fork	16	18S	4E	9,600
11K12P	U	Mt. Baldy R.S.	19	19S	4E	9,500
11K2P	U	Oak Creek	9	17S	3W	7,760
12L1P	U	Pine Creek	24	22S	4W	8,700
11K36	U	Rees's Flat	24	15S	2E	7,300
12L11P	U	Shingle Mill	5	22S	3W	6,200
11K35	U	Thistle Flat	24	18S	4E	8,500
BEAVER RIVER						
12L7P	U	Big Flat	18	29S	4W	10,290
12L9P	U	Merchant's Valley	8 & 9	29S	5W	8,200
12L8	U	Otter Lake	1	29S	5W	9,300

## LEGEND

### Numbering system (example)

10J7	SNOW COURSE ONLY
10J7P	SNOW COURSE AND PRECIPITATION GAGE
10J7M	SNOW COURSE AND SOIL MOISTURE STATION
10J7A	SNOW COURSE AND AERIAL MARKER
10J7MA	SNOW COURSE, SOIL MOISTURE STATION AND AERIAL MARKER
10J7MP	SNOW COURSE, SOIL MOISTURE STATION AND PRECIPITATION GAGE
10J7m	SOIL MOISTURE STATION ONLY
10J7a	AERIAL MARKER ONLY
10J7p	STORAGE PRECIPITATION GAGE ONLY
x	ADJACENT DRAINAGE



# SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
			DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	NO.	ELEVATION				LAST YEAR	AVERAGE <sup>a</sup>

## SEVIER RIVER BASIN INCLUDING BEAVER RIVER

### UPPER SEVIER RIVER

(South of Richfield, Utah)

Big Flat x	12L7	10290	2/25	74	20.7	12.5	13.0
Box Creek	12L4	9800	3/3	68	18.5	11.2	9.4b
Bryce Canyon	12M8	8000	2/28	45	10.5	7.0	2.4b
Castle Valley	12M13	9700	3/3	78	23.0	13.6	9.8b
Cedar Breaks	12M1	10390	3/4	115	36.9	18.0	15.6
Duck Creek R.S.	12M4	8560	3/1	110	32.3	16.3	10.2
Fish Lake x	11L3	8700	2/25	37	10.1	10.3	4.7b
Harris Flat	12M5	7700	2/27	82	23.4	10.6	6.1
Kimberly Mine	12L6	8900	2/24	62	17.1	12.4	10.8b
Long Valley Jct. x	12M6	7500	2/27	63	18.6	6.5	2.2
Midway Valley	12M2	9800	3/1	123	39.4	20.2	16.5b
Panguitch Lake	12M7	8200	3/3	31	8.1	6.4	3.1
Squaw Springs	12L5	9300	3/3	50	13.8	7.2	5.3b
Widtsoe-Escalante Smt.	11M1	9500	2/27	40	10.0	9.8	5.3
Widtsoe-Escalante #2	11M2	9500	2/27	44	11.1	9.5	6.8
Widtsoe-Escalante #3	11M3	9500	2/27	52	13.2	12.5	8.1b

### LOWER SEVIER RIVER

(Including San Pitch River)

Beaver Dams	11K13	8000	2/25	41	12.8	10.1	9.6
Farnsworth Lake	11L1	9900	2/27	56	16.4	13.7	13.4b
G.B.R.C. Headquarters	11K11	8700	2/28	68	19.8	13.2	12.7
G.B.R.C. Meadows	11K10	10000	2/28	84	26.9	17.6	18.7
Gooseberry R. S.	11L2	8400	2/27	42	12.0	9.7	8.8
Gooseberry Reservoir x	11K4	8700	2/26	81	26.7	16.6	14.4b
Mammoth R.S.-Ctnwd. Crk.	11K3	8800	2/26	89	29.0	16.6	14.5b
Mt. Baldy R.S.	11K12	9500	2/25	83	25.0	16.8	17.3
Pine Creek	12L1	8700	2/28	59	16.6	13.4	12.1b
Rees's Flat	11K36	7300	2/24	45	12.6	9.8	8.9b
Shingle Mill	12L11	6200	2/27	33	8.5	8.6	6.5b

### BEAVER RIVER

Big Flat	12L7	10290	2/25	74	20.7	12.5	13.0
Merchant's Valley	12L9	8200	2/25	49	13.4	9.4	6.9
Otter Lake	12L8	9300	2/25	65	17.9	11.6	10.6



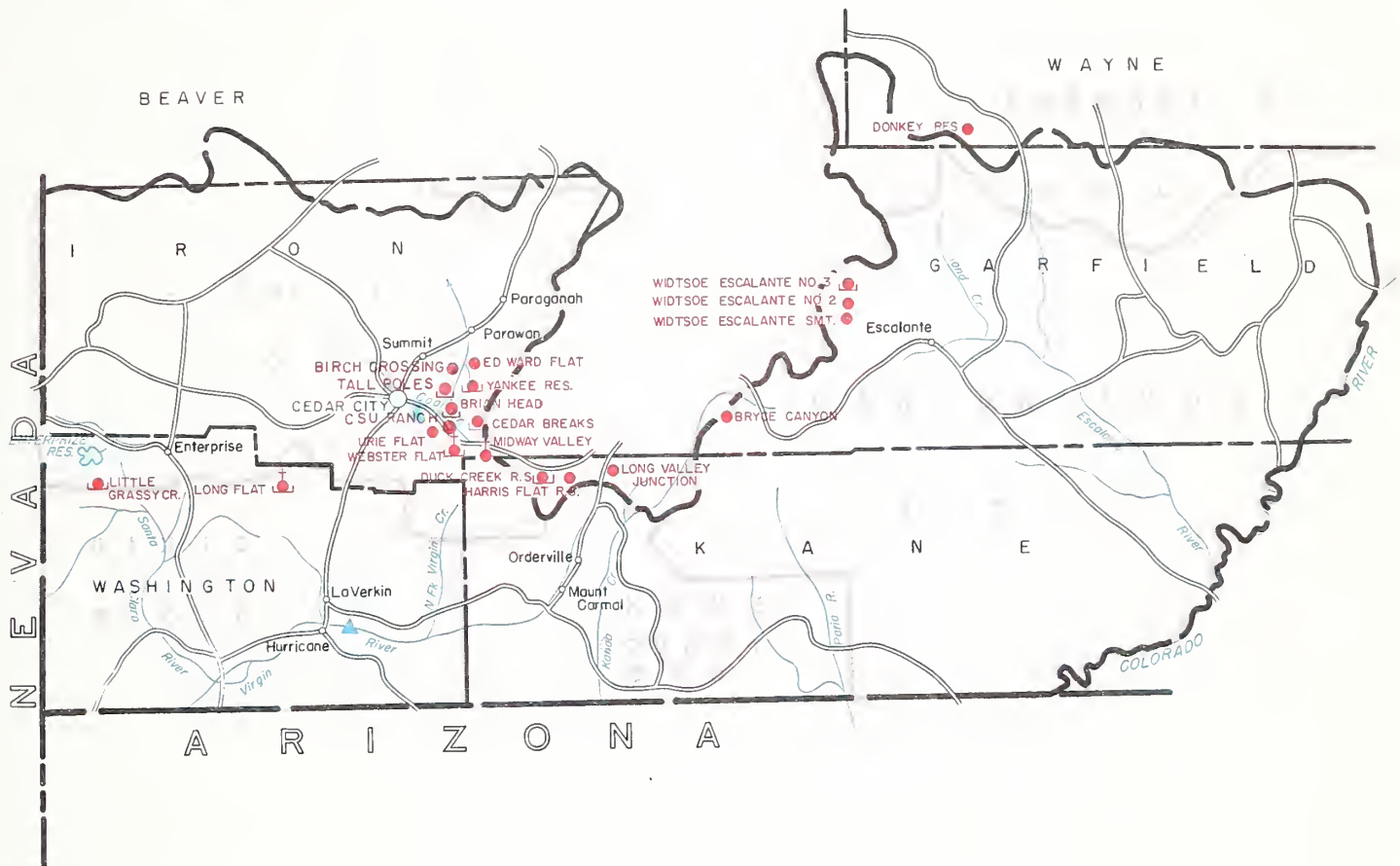
# PRECIPITATION DATA (Inches)

DRAINAGE BASIN AND RAIN GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. OCT. 1 TO DATE		
		DATE OF READING	MONTHS PRECIPITATION	1953-67 AVERAGE	THIS YEAR	1953-67 AVERAGE	PERCENT OF AVERAGE
Beaver Dams	8000	2/25	- -	3.09*	13.30	11.30*	118
Big Flat	10290	2/25	5.05	3.63b	20.55	11.86*	173
Box Creek	9800	3/3	- -	- -	18.10	10.13b	179
Castle Valley	9700	3/3	- -	- -	21.20*	11.30b	188*
Cedar Breaks	10390	3/4	11.80	2.85	27.15	12.58	216
Duck Creek R. S.	8560	No Report		3.27b	- -	13.45*	- -
Farnsworth Lake	9900	2/27	4.45	3.75b	17.07	13.52b	126
Fish Lake	8700	2/25	- -	- -	10.52	6.38b	165
G.B.R.C. Headquarters	8700	2/28	6.05	3.66	18.65	13.77	135
G.B.R.C. Meadows	10000	2/28	6.38	4.37	22.55	16.41	137
G.B.R.C. Oaks	7655	2/28	3.46	2.61	12.49	9.52	131
Gooseberry R. S.	7800	2/27	3.30	2.87b	12.13	9.56*	127
Gooseberry Reservoir x	8700	2/26	6.06	3.39b	24.46	13.83	177
Kimberly Mine	8900	2/24	4.75	3.24*	20.20	13.08	154
Mammoth R.S. #2 x	8600	2/26	6.30	3.05b	26.13	14.40	181
Mt. Baldy	9500	2/25	- -	3.00*	18.75	12.43	151
Panguitch Lake	8200	2/28	- -	- -	9.35	5.51b	170
Pine Creek	8700	2/28	- -	- -	23.17	16.09b	144
Shingle Mill	6200	2/27	4.26	2.98*	13.92	10.58	132
Webster Flat x	9200	2/28	10.70	3.53*	27.70	14.82*	187
Widtsoe-Escalante #3	9500	2/27	5.00	2.30b	13.30	9.95b	134
Widtsoe R. S.	7600	2/27	1.77	0.68	5.00	3.78	132
Beaver Canyon P.H.	7275	2/28	4.66	- -	11.02	- -	- -
Big Flat	10290	2/25	5.05	3.63b	20.55	11.86*	173
Merchant's Valley	8200	2/25	4.33	- -	16.05	- -	- -

# EAST GARFIELD, KANE, WASHINGTON AND IRON COUNTIES

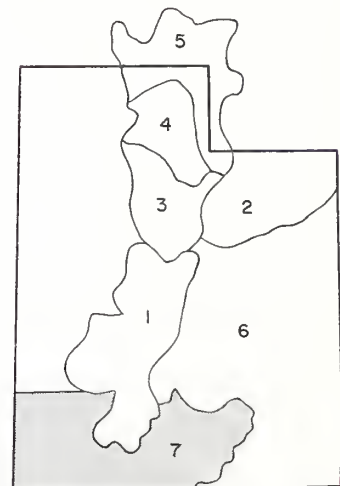


10 0 10 20 30 40  
SCALE IN MILES



## LEGEND

- Watershed Boundary
- Soil Conservation District Bdry.
- County Boundary
- ▲ Forecast Point
- Snow Course
- + Aerial Snow Depth Gage
- ┌ S.C.S. Storage Gage
- └ W.B. Storage Gage



WATERSHED LOCATION

# INDEX

NO.	STATE	NAME	SEC.	TWP.	RGE.	ELEV
PARIA RIVER						
12M8	U	Bryce Canyon x	36	36S	4W	8,000
PAROWAN CREEK						
12M16	U	Birch Crossing	23	35S	9W	8,100
12M14	U	Brian Head	10	36S	9W	10,000
12M12	U	Ed Ward Flat	17	35S	8W	8,300
12M15	U	Tall Poles	26 & 35	35S	9W	8,800
12M11P	U	Yankee Reservoir	20	35S	8W	8,700
COAL CREEK						
12M1P	U	Cedar Breaks x	2	37S	9W	10,390
12M17	U	CSU Ranch	18	37S	9W	8,200
12M2M	U	Midway Valley x	26	37S	9W	9,800
12M10	U	Urie Flat	11	37S	10W	8,450
12M3MP	U	Webster Flat x	20	37S	9W	9,200
ENTERPRISE TO NEW HARMONY DRAINAGES						
13M4MP	U	Little Grassy Creek	15	38S	17W	6,100
13M2MP	U	Long Flat	2	38S	14W	8,000
ESCALANTE RIVER						
11M1	U	Widtsoe-Escalante Summit	22	34S	1W	9,500
11M2	U	Widtsoe-Escalante #2	22	34S	1W	9,500
11M3P	U	Widtsoe-Escalante #3	22	34S	1W	9,500
VIRGIN RIVER						
12M1P	U	Cedar Breaks x	2	37S	9W	10,390
12M4P	U	Duck Creek R.S. x	11	38S	8W	8,560
12M5	U	Harris Flat x	24	38S	7W	7,700
12M6	U	Long Valley Junction	22	38S	6W	7,500
12M2M	U	Midway Valley x	26	37S	9W	9,800
12M3MP	U	Webster Flat	20	37S	9W	9,200

## LEGEND

### Numbering system (example)

10J7	SNOW COURSE ONLY
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# SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
			DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	NO.	ELEVATION				LAST YEAR	AVERAGE <sup>a</sup>

## EAST GARFIELD, KANE, WASHINGTON & IRON COUNTIES

### ESCALANTE RIVER

Widtsoe-Escalante Smt.	11M1	9500	2/27	40	10.0	9.8	5.3
Widtsoe-Escalante #2	11M2	9500	2/27	44	11.1	9.5	6.8
Widtsoe-Escalante #3	11M3	9500	2/27	52	13.2	12.5	8.1b

### PARIA RIVER

Bryce Canyon x	12M8	8000	2/28	45	10.5	7.0	2.4b
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### VIRGIN RIVER & COAL CREEK

Cedar Breaks	12M1	10390	3/4	115	36.9	18.0	15.6
CSU Ranch	12M17	8200	2/25	73	19.5	8.2	- -
Duck Creek R.S.	12M4	8560	3/1	110	32.3	16.3	10.2
Harris Flat x	12M5	7000	2/27	82	23.4	10.6	6.1
Long Valley Jct.	12M6	7500	2/27	63	18.6	6.5	2.2
Midway Valley x	12M2	9800	3/1	123	39.4	20.2	16.5b
Urie Flat	12M10	8450	Delayed Data			7.8	5.6b
Webster Flat	12M3	9200	Delayed Data			15.2	12.2

### PAROWAN CREEK

Birch Crossing	12M16	8100	2/26	36	8.9	7.2	- -
Brian Head	12M14	10000	2/26	94	25.8	18.1	- -
Ed Ward Flat	12M12	8300	2/25	28	7.2	6.8	5.3b
Tall Poles	12M15	8800	2/26	64	16.3	13.0	- -
Yankee Reservoir	12M11	8700	2/25	32	8.4	8.9	6.9b

### ENTERPRISE TO NEW HARMONY DRAINAGES

Little Grassy Creek	13M4	6100	2/27	42	13.6	4.9	2.3b
Long Flat	13M2	8000	2/27	40	11.0	7.4	4.3b

# PRECIPITATION DATA (Inches)

DRAINAGE BASIN AND RAIN GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. OCT. 1 TO DATE		
		DATE OF READING	MONTH'S PRECIPITATION	1953-67 AVERAGE	THIS YEAR	1953-67 AVERAGE	PERCENT OF AVERAGE
<u>ESCALANTE RIVER</u>							
Widtsoe-Escalante #3	9500	2/27	5.00	2.30b	13.30	9.95	134
<u>VIRGIN RIVER</u>							
Duck Creek R. S.	8560	No Report		3.27b	- -	13.45*	- -
Webster Flat	9200	2/28	10.70	3.53b	27.70	14.82*	187
<u>COAL CREEK</u>							
Cedar Breaks	10390	3/4	11.80	2.85	27.15	12.58*	216
Webster Flat	9200	2/28	10.70	3.53b	27.70	14.82*	187
<u>PAROWAN CREEK</u>							
Tall Poles	8800	2/26	4.67	- -	15.10	- -	- -
Yankee Reservoir	8700	2/25	- -	2.13b	9.19	8.49	108
<u>ENTERPRISE TO NEW HARMONY DRAINAGE</u>							
Little Grassy Creek	6100	2/27	- -	- -	13.15	- -	- -
Long Flat	8000	2/27	- -	- -	12.90	8.91	145



## FOOTNOTES

- (1) Data supplied by U. S. Forest Service
- (2) Data supplied by U. S. Weather Bureau
- (3) Data supplied by U. S. Geological Survey
  
- (a) 1953-67 - 15-year average period
- (b) Average of all past record - less than 15 years
- (c) Taken at Compromise point
  
- (A) Aerial observation - water content estimated
- (x) Adjacent drainage
- \* Partly estimated

The following footnotes apply only to Streamflow Forecast pages.

- (1) Includes UP&L Co. tailrace and Logan, Hyde Park & Smithfield Canal.
- (2) Observed flow plus change in storage in East Canyon Reservoir.
- (3) Inflow record as computed by U. S. Bureau of Reclamation.
- (4) Observed flow Weber River near Wanship, Utah, plus change in storage in Rockport Reservoir, plus diversion by Weber-Provo Canal.
- (5) Includes diversion by Weber-Provo Canal and change in storage in Rockport Reservoir.
- (6) Observed flow minus diversions thru Duchesne tunnel and Weber-Provo Canal.
- (7) Observed flow plus change in storage in Deer Creek Reservoir, minus diversions thru Duchesne tunnel & Weber-Provo Canal.
- (8) Change in storage plus diversion thru Strawberry tunnel.
- (9) Observed flow plus change in storage in Otter Creek Reservoir.
- (10) Gage is below diversions near Salina.
- (11) Observed flow plus change in storage in Otter Crk & Piute Reservoirs.
- (12) Observed flow at Rockyford Dam, corrected for change in storage in Minersville Reservoir.
- (13) Observed flow plus diversion through Duchesne Tunnel.
- (14) Observed flow plus change in storage in Moon Lake Reservoir.
- (15) Observed flow plus change in storage reservoir.
  
- (a) Runoff forecasts are based principally on mountain snow cover and on the assumption that precipitation and temperature will be near average from the present time to the end of the forecast period. Appreciable deviations from normal of temperature and/or precipitation will correspondingly modify these forecasts. The discharge data is taken from preliminary records of the U. S. Geological Survey.



# Agencies Cooperating in Utah Snow Surveys

## U.S. GOVERNMENT AGENCIES

U.S. Department of Agriculture  
Soil Conservation Service  
Forest Service  
U.S. Department of Commerce  
Weather Bureau  
U.S. Department of Interior  
Bureau of Reclamation  
Geological Survey  
National Park Service

## STATE AGENCIES

Utah State University  
Utah Fish and Game Department  
Utah State Department of Natural  
Resources, Division of Water Rights  
Bear River Commissioner  
Price River Commissioner  
Provo River Commissioner  
Sevier River Commissioners  
Spanish Fork River Commissioner  
Utah Lake and Jordan River Commissioner

## MUNICIPALITIES

Manti  
Salt Lake City

## ORGANIZED PUBLIC AGENCIES

Beaver River Water Users Association  
Board of Canal Presidents - Jordan River  
Emery Canal and Reservoir Company  
Moon Lake Water Users Association  
Ogden River Water Users Association  
Provo River Water Users Association  
Strawberry Water Users Association  
Sevier River Water Users Association

## PRIVATE AGENCIES

Kaiser Steel Corporation

UNITED STATES DEPARTMENT OF AGRICULTURE  
SOIL CONSERVATION SERVICE  
FEDERAL BLDG. -- ROOM 4012  
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with the Snow Survey"*